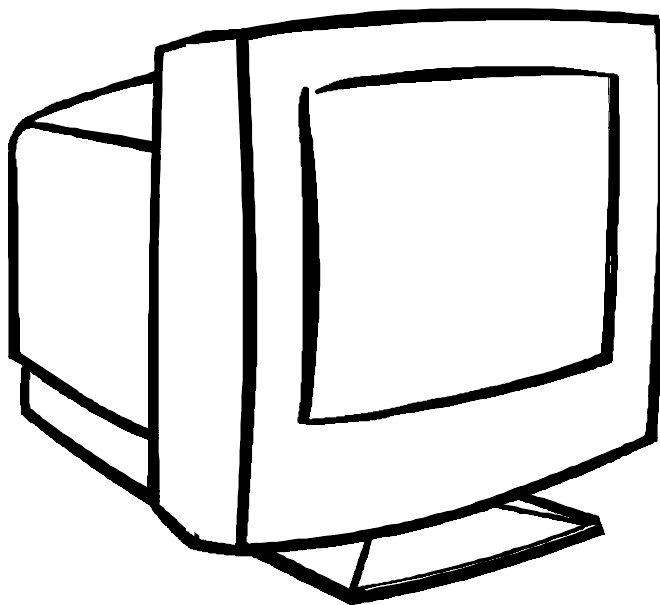


SERVICE MANUAL

COLOR MONITOR

D551U/V



AOC

1. SPECIFICATIONS FOR 5E COLOR MONITOR

1. CRT
38CM(15V) 90 Deflection, 29mm Neck, 0.28mm Dot Pitch, Non-Glare Screen
2. Viewable image Size: 35CM (13.8") diagonal
3. Display Color: Unlimited Colors
4. External Controls:
Power On/Off, UP/Down key, Function key: Contrast, Brightness, H-Size, H-Center, V-Size, V-Center, Pincushion, Trapezoid, Rotation.
5. Input Video Signal

	Mode 1	Mode 2	Mode 3	Mode 4	Mode 5	Mode 6	Mode 7
	RGB Analog	RGB Analog	RGB Analog	RGB Analog	RGB Analog	RGB Analog	RGB Analog
Horiz. Sync:	TTL Level	TTL Level	TTL Level	TTL Level	TTL Level	TTL Level	TTL Level
	Negative	Negative	Negative	Negative	Positive	Positive	Negative
Vert. Sync:	TTL Level	TTL Level	TTL Level	TTL Level	TTL Level	TTL Level	TTL Level
	Positive	Negative	Negative	Negative	Positive	Positive	Negative
6. Resolution

Horizontal:	720 (H)	640 (H)	640 (H)	640 (H)	800 (H)	800 (H)	1024 (H)
Vertical :	400 (V)	480 (V)	480 (V)	480(V)	600(V)	600 (V)	768 (V)
Fh (KHz):	31.5	31.5	37.5	43.3	46.8	53.7	48.4
Fv (Hz) :	70	60	75	85	75	85	60
7. Display Size

Horizontal:	260 mm
Vertical:	195 mm
8. Scanning Frequencies

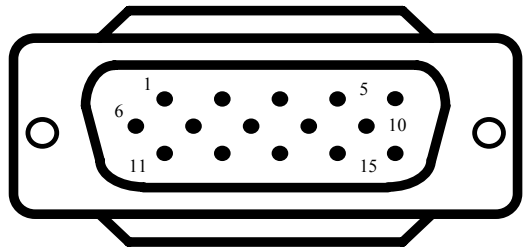
Horizontal:	30KHz ~ 54KHz
Vertical:	50 Hz ~ 120 Hz
9. Factory Preset Timings: 7
User Timings: 10
10. Misconvergence

Center:	0.3 mm Max.
Corner:	0.4 mm Max.
11. Video Bandwidth: 65 MHz
12. Power Source:
Switching Mode Power Supply
AC 100 ~240V, 50/60Hz Universal Type
13. Operating Temperature: 0°C to 40°C Ambient

3. OPERATING INSTRUCTIONS

This procedure gives you instructions for installing and using the 5E Series display.

1. Position the display on the desired operation and plug the power cord into a convenient AC outlet. Three-wire power cord must be shielded and is provided as a safety precaution as it connects the chassis and cabinet to the electrical conduit ground. If the AC outlet in your location does not have provisions for the grounded type plug, the installer should attach the proper adapter to ensure a safe ground potential.
2. Connect the 15-pin color display shielded signal cable to your signal system device and lock both screws on the connector to ensure firm grounding. The connector information is as follow:



15 - Pin Color Display
Signal Cable

PIN NO.	DESCRIPTION	PIN NO.	DESCRIPTION
1.	RED	9.	+5V
2.	GREEN	10.	NC
3.	BLUE	11.	SYNC. GND
4.	GND	12.	SDA
5.	NC	13.	HORIZ. SYNC
6.	GND-R	14.	VERT. SYNC (* VCLK)
7.	GND-G	15.	SCL
8.	GND-B		

3. Apply power to the display by turning the power switch to the "ON" position and allow about thirty seconds for display tube warm-up. The Power-On indicator lights when the display is on.
4. With proper signals feed to the display, a pattern or data should appear on the screen, adjust the brightness and contrast to the most pleasing display.
5. This monitor has power saving function following the VESA DPMS. Be sure to connect the signal cable to the PC.
6. If your D8897A Series color display requires service, it must be returned with the power cord.

4. ADJUSTMENT

4-1 ADJUSTMENT CONDITIONS AND PRECAUTIONS

1. Approximately 30 minutes should be allowed for warm up before proceeding.
2. Adjustments should be undertaken only on those necessary elements since most of them have been carefully preset at the factory.

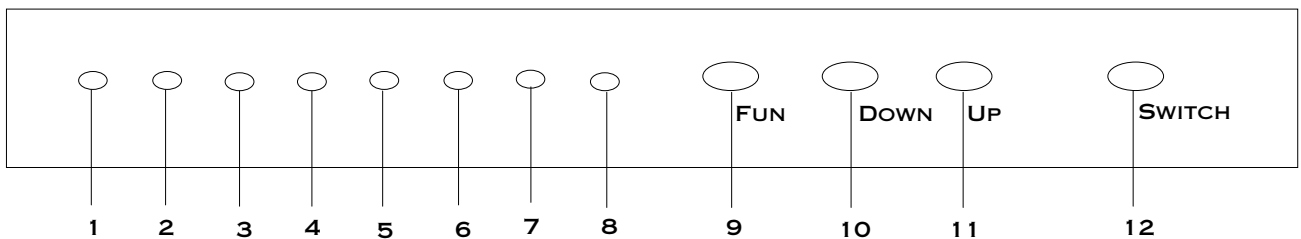
4-2 MAIN ADJUSTMENTS

NO.	FUNCTION	LOCATION	DESIGNATION
1.	15V ADJ	PCB - MAIN	VR901
2.	B + ADJ	PCB - MAIN	VR902
3.	SCREEN ADJ	FLY BACK TRANS	T402
4.	FOCUS ADJ	FLY BACK TRANS	T402
5.	ABL ADJ	PCB - MAIN	VR701
6.	SUB-BRIGHTNESS ADJ	PCB - MAIN	VR702
	-SELECT	PCB - MAIN	SW103
	-UP ▲	PCB - MAIN	SW101
7.	FUNCTION ADJ -DOWN ▼	PCB - MAIN	SW102

4-3 ADJUSTMENT METHOD

1. 15V, B + & HV voltage adjustment:
 - A. Chrome-2000 Signal generator or PC equivalent set 31K 60Hz mode 2, (VGA 640x480) pattern 1.
 - B. Connect a DC Volt meter between TP901 and ground, then adjust VR901 to be 15VDC.
 - C. Connect a DC Volt meter between TP902 and ground, then adjust VR902 to be 86VDC.
 - D. Connect a DC Volt meter between TP701(G1) and ground, Brightness set to max. Then adjust VR702 to be -35 VDC.

EXTERNAL CONTROLS



- | | |
|---------------|-------------------------|
| 1. CONTRAST | 8. TRAPEZOID |
| 2. BRIGHTNESS | 9. FUNCTION KEY |
| 3. H- SIZE | 10. DOWN KEY |
| 4. H- CENTER | 11. UP KEY |
| 5. V- SIZE | 12. POWER ON/OFF SWITCH |
| 6. V- CENTER | 7+8. ROTATION |
| 7. PINCUSHION | 10+11. RECALL |

2. Factory preset timings adjustment:

- A. When you turn on the monitor, the function LEDs will light Up simultaneously for a while, then extinguish.
- B. You can press hold the Up/Func tow key simultaneously turn on the monitor, the most left four LEDs will light Up for a while then exitinguish
- C. Input Geometric factory mode, then you can select one of the sixteen Functions, Including, Contrast, Brightness, H-Size, H-Center, V-Size, V-Center, Pincushion, Trapezoid, Rotation, V-Moire, H-Moire, Pin-Balance, Parallelogram, Corner, V-Linear and V-Linear Balance Simply, Press the Function key and the LED will be light UP corresponding to the one selected, then press the Up/Down keys to get the factory presetting parameter value to your satisfaction.
- D. Then change mode or power turn off, the display setting will be saved.
- E. Then you will press the turn OFF monitor again, the factory preset timings adjustment is finished.
- F. Function Control LED Display Fashion:

1.	Contrast										
2.	Brightness										
3.	H-Size										
4.	H-Center										
5.	V-Size										
6.	V-Center										
7.	Pincushion										
8.	Trapezoid										
9.	Rotation										
10.	V-Moire										
11.	H-Moire										
12.	Pin-Balance										
13.	Parallelogram										
14.	V-Linear										
15.	V-Linear Balance										

3. White Balance add Luminance adjustment:

- A. Bias (Low light) adjustment:
 - (a) Set mode 5 (800x600 Fh: 46.8KHz) full white pattern.
 - (b) Press hold the Down/Up tow key simultaneously turn on the monitor, the most right four LEDs will light up for a while then extinguish
 - (c) Input color adjust factory mode.
 - (d) Warm up more than 20 minutes.
 - (e) Brightness set to maximum. Contrast set to minimum full white pattern, then adjust FBT screen VR to make $Y = 1.0FL \pm 0.2FL$.
 - (f) Brightness set to raster just cutoff, adjust contrast to be $Y = 4 \pm 0.2FL$, then adjust G-Bias, B-Bias, R-Bias, to make the setting value, then adjust the R.G.B Bias individual to the color temperature $x = 283 \pm 10$, $y = 298 \pm 10$.
- B. Gain (High light) adjustment:
 - (a) Set mode 5 (800x600 Fh: 46.8KHz) full white pattern.
 - (b) Brightness set to raster just cutoff and set the contrast to max.
 - (c) Adjust G-Gain, B-Gain, R-Gain, to make color temperature $x = 283 \pm 10$, $y = 298 \pm 10$.
- C. Recheck item A&B to make sure both of them in spec.
- D. Color factory mode LED display fashion

1.	Contrast		●	○	○	○	○	○	○	○
2.	Brightness		○	●	○	○	○	○	○	○
3.	R-Bias		○	○	●	○	○	○	○	○
4.	G-Bias		○	○	○	●	○	○	○	○
5.	B-Bias		○	○	○	○	●	○	○	○
6.	R-Gain		○	○	○	○	○	●	○	○
7.	G-Gain		○	○	○	○	○	○	●	○
8.	B-Gain		○	○	○	○	○	○	○	●

E. Full white luminance:

- Set mode 5 (800×600 Fh: 46.8KHz) full white pattern.
- Image Size : H:260 ± 4mm V:195 ± 4mm.
- Brightness set to raster just cutoff and set the contrast to max.
- Adjust VR701 to the luminance at 25FL ~ 26FL.

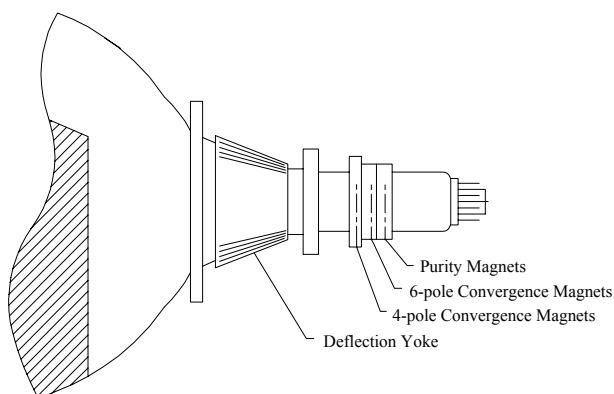
4. Focus adjustment:

- Set mode 2 (640×480 Fh: 31.5KHz) with character full page.
- Adjust external brightness to raster cutoff and external contrast to max. , then adjust focus VR to make the display be focused very well.

5. Purity adjustment

- Be sure that the display is not being exposed to any external magnetic fields.
- Ensure that the spacing between the Purity, Convergence, Magnet, (PCM), assembly and the CRT stem is 29mm .(See below diagram)
- Produce a complete, red pattern on the display. Adjust the purity magnet rings on the PCM assembly to obtain a complete field of the color red. This is done by moving the two tabs in such a manner that they advance in an opposite direction but at the same time to obtain the same angle between the two tabs, which should be approximately 180.
- Check the complete blue and complete green patterns to observe their respective color purity. make minor adjustments if needed.

RELATIVE PLACEMENT OF TYPICAL COMPONENTS



6. Convergence adjustment

- Produce a magenta crosshatch on the display.
- Adjust the focus for the best overall focus on the display.
Also adjust the brightness to the desired condition.
- Vertical red and blue lines are converged by varying the angle between the two tabs of the 4 pole magnets on the PCM assembly. (See above diagrams)
- Horizontal red and blue lines are converged by varying the two tabs together, keeping the angle between them constant.
- Produce a white crosshatch pattern on the display.
- Vertical green and magenta lines are converged by varying the angle between the two tabs of the 6-pole magnets.
- Horizontal green and magenta lines are converged by varying the two tabs together, keeping the angle between them constant.

5. CIRCUIT DESCRIPTION

5-1 MICRO CIRCUIT

IC101 is CPU, This CPU has the following functions.

1. Detect timing mode by sensing the horizontal frequency, vertical frequency, the polarity of Hor. Sync and Ver. Sync.
2. Key board scan control.
3. Geometry control internal D/A converters and I²C bus control.
4. Cs capacitor switch control.
5. Power saving control.

When CPU detects a timing, it takes data from E²PROM (IC102), then output voltage to control the geometry of this monitor.

If key is pressed, the CPU will do some job according to the key function. for example, if function key is pressed, it can change different value to control screen geometry (H-SIZE, V-SIZE.....etc.)

5-2 DEFLECTION CIRCUIT

Hor. sync. and Ver. sync., come from PC, go into the CPU (IC101). The output goes to the Hor. oscillation and Ver. oscillation processor (IC401). The IC401 treats sync. signal and output the drive signal to horizontal and vertical output circuit. IC401 also generates some functions for geometry use, like, horizontal center, vertical size, by I²C bus control, the geometry can be controlled. IC601 is a vertical output IC to supply the vertical scan. Q404, Q405, Q406 and L405 are the horizontal size controls. Q403 is the horizontal deflection output, supply the horizontal scan of the monitor. Q601 generate the Blanking signal output to G1 of CRT. Q703 Q704 and Q705 are mute control, brightness control and G1 DC voltage output.

5-3 VIDEO CIRCUIT

IC801 is a video amplifier, clamping signal input from pin No. 23 to restore the DC voltage of video signal, the signal output from IC801 pass through IC802 Video package amplifier stage LM2468T, then go to the cut off DC restore stage, The video output signal is about 40Vpp.

The cut off DC restore from IC801 pass through IC803 control.

5-4 POWER SUPPLY

The design uses a discontinuous flyback topology operating in current-mode resulting in a multiple output switcher with stack well. faster diodes are used. The fast transient response of the control loop maintains picture integrity. Very fast current limiting protects the switcher against short circuits.

UC3842AM(IC901) is the current mode controller selected. It offers feed forward compensation, feedback error amplifier, and low voltage lock out features. The 3842 draws very little current in start up mode. There is enough power from the line bleeder to slowly charge a capacitor to the 16 volts needed to start the switcher.

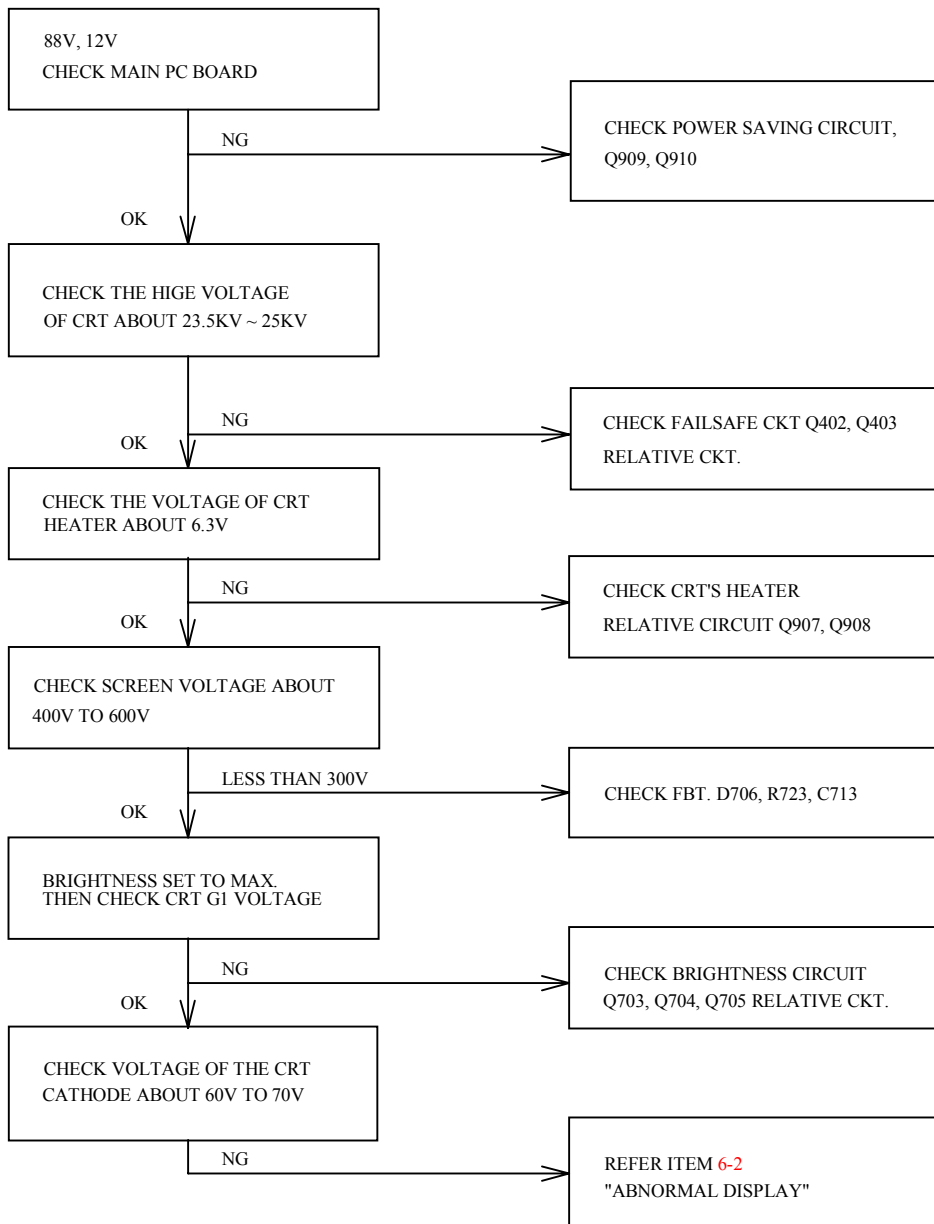
The FET starts a cycle by allowing current to flow into the primary of the power transformer. As current ramps up with time, the voltage across the current sense resistor (R929) also ramps to a point where the 3842 determines that enough power is stored and turns off the FET. As the voltage on the transformer reverses, power is dumped from the main power transformer through diodes into the different supplies. To keep RFI to a minimum and reduce transistor heating, a turn-off snubber network is placed across the FET. Current from the secondary windings are rectified and filtered to create the desired voltages. Small high current capacitors quickly return charging current to the source. Filter inductors remove high frequency noise.

5-5 TRANSISTOR & DIODE CIRCUIT

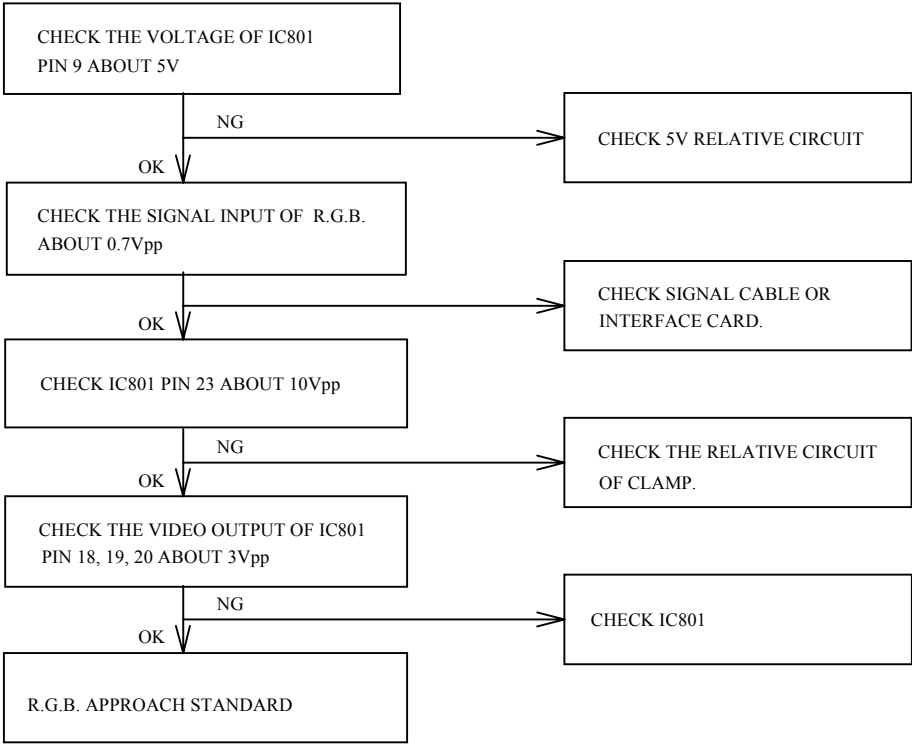
LOCATION	CIRCUIT FUNCTION DESCRIPTION
D901 ~ D904	Bridge Rectifier for AC Source
D910	Clamp Diode for Snubber CKT
D919	Rectifier for Output Voltage
D922	Rectifier for Output Voltage
D923	Rectifier for Output Voltage
D925	Rectifier for Output Voltage
D929	B+ Feed Back Rectifier from F.B.T Pulse
D921	Rectifier for Output Voltage
Q907, Q908	Use for Off-Mode to Cut-off 6.3V Supply Voltage
Q909, Q910	Use for Standy-By or Suspend Mode to Cut-off 15V Supply Voltage
Q912, Q920	Push-Pull Topology to Drive Q911
Q401	Turn-on at Power ON/OFF and Change Mode to Protect Hor.Block
Q402	HOR. Driver Transistor
Q403	HOR. Output Transistor
Q407, Q408	As a Switcher for H-Size Correction CKT
Q410, Q426	H-Size Corection Mosfet
Q404, Q405	As Differential Amp. to Drive Q406
Q406	Darlington Transistor for H-Size Control
Q703	As a Switcher to Mute Screen when Abnormal Qccurring
Q704, Q705	Unit Brightness Control CKT
Q601	Develop Blanking Signal
Q921	Use for 5V regulator
Q918	Use for 12V regulator

6.TROUBLE SHOOTING CHART

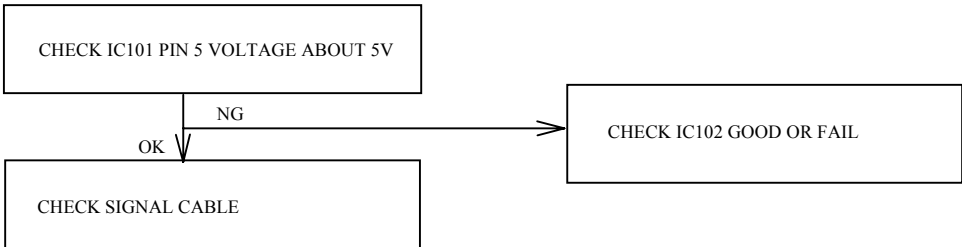
6-1 NO RASTER, CRT RELATIVE CIRCUIT PROBLEMS



2.ABNORMAL VIDEO LEVEL ON SCREEN

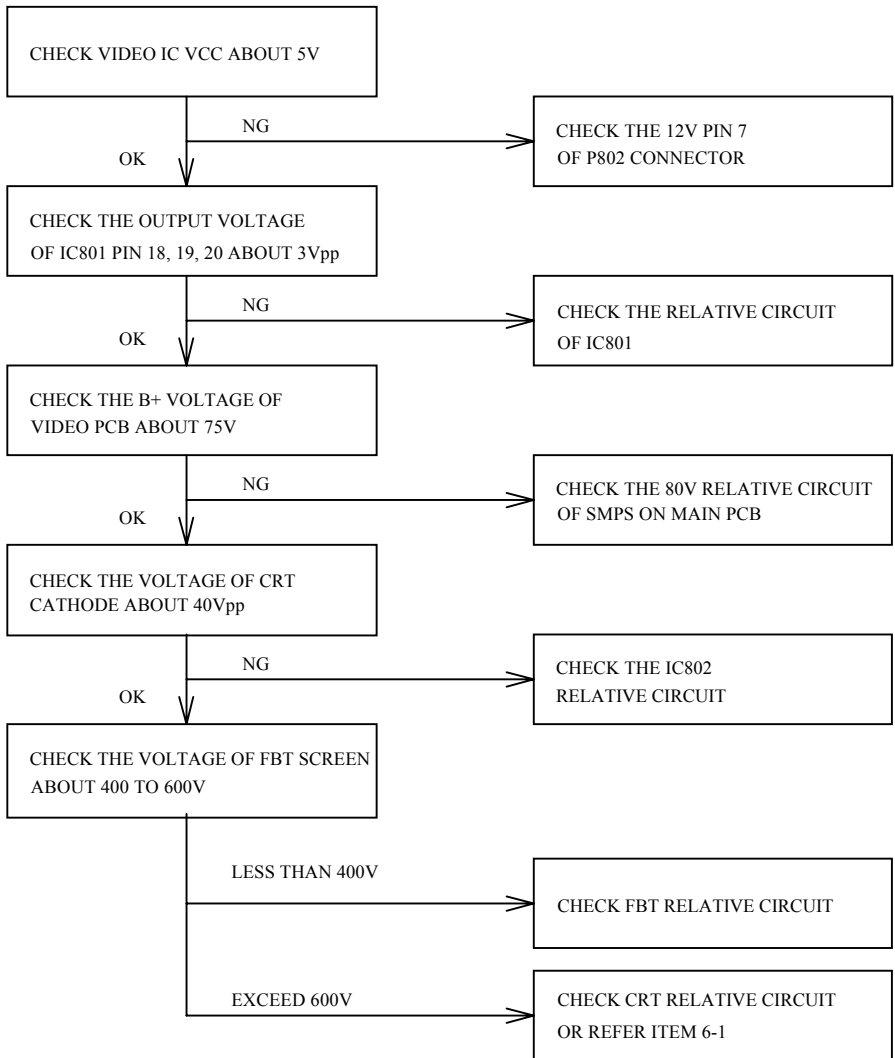


3. ABNORMAL DDC (PLUG & PLAY)

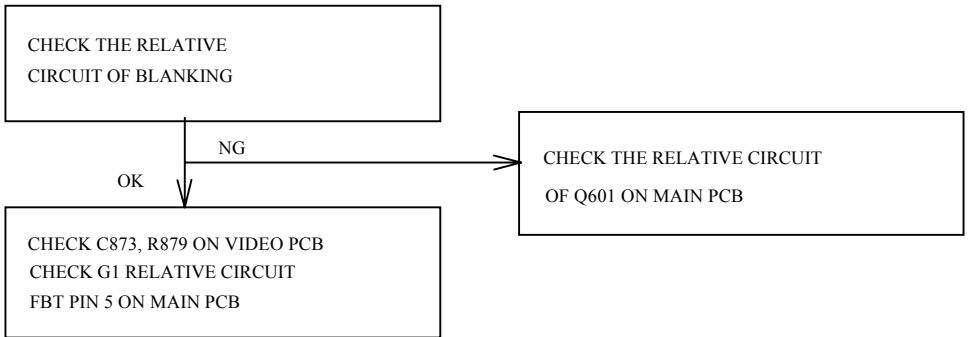


6-2 ABNORMAL DISPLAY

1.NO SIGNAL ON SCREEN

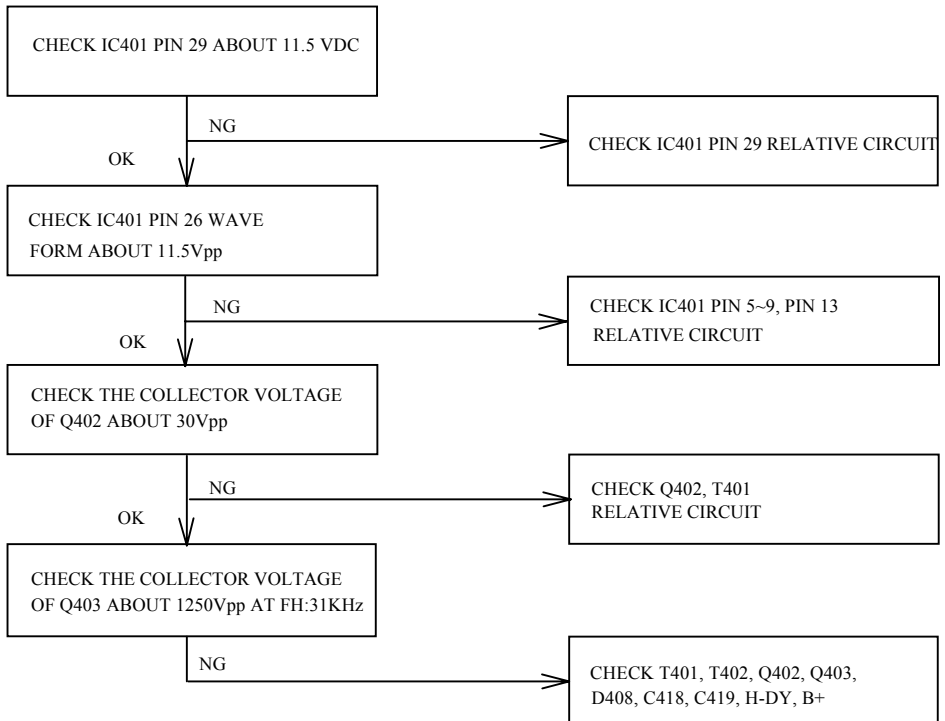


6-3 NO BLANKING



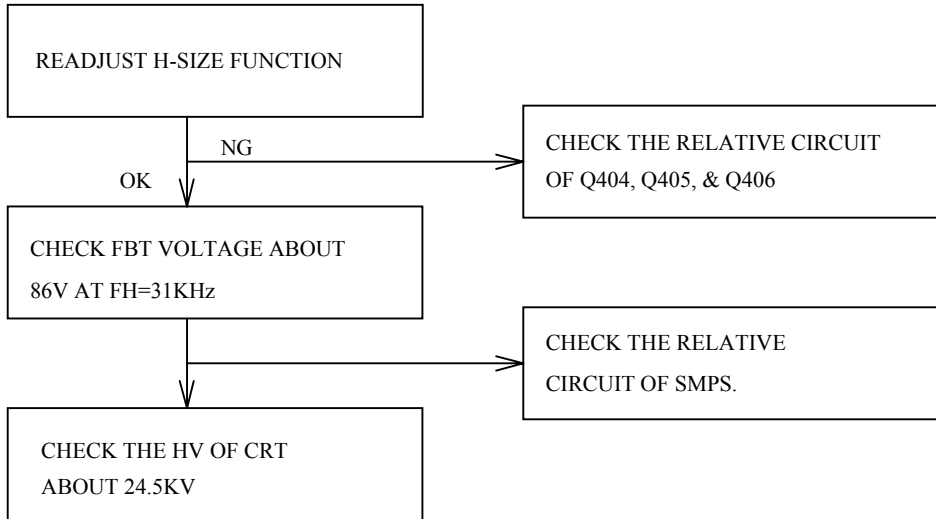
6-4 HOR./OSC/DEF/HV CIRCUIT FAULT

1. NO RASTER (DISCONNECT WITH SIGNAL CABLE)

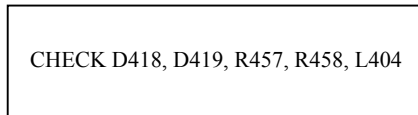


6-5 ABNORMAL HORIZONTAL DEFLECTION

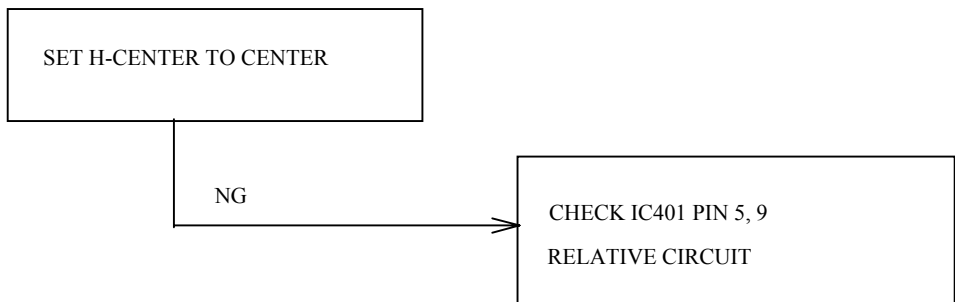
1. ABNORMAL HORIZONTAL SIZE



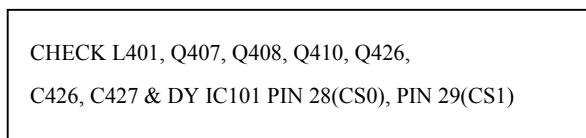
2. ABNORMAL HORIZONTAL RASTER CENTER



3. ABNORMAL HORIZONTAL VIDEO CENTER

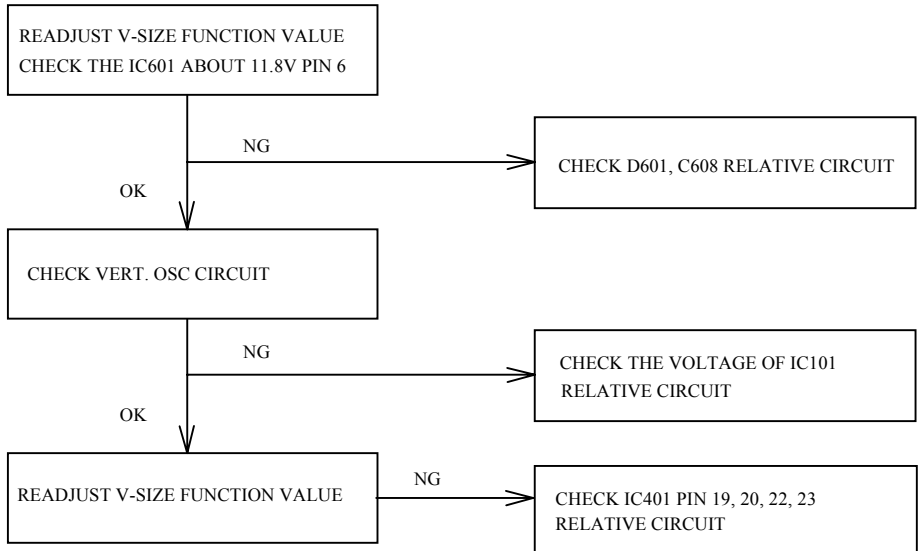


4. ABNORMAL HORIZONTAL LINEARITY

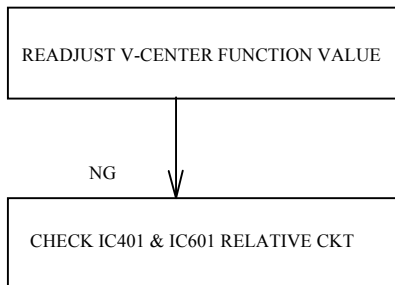


6-6 ABNORMAL VERTICAL SCANNING

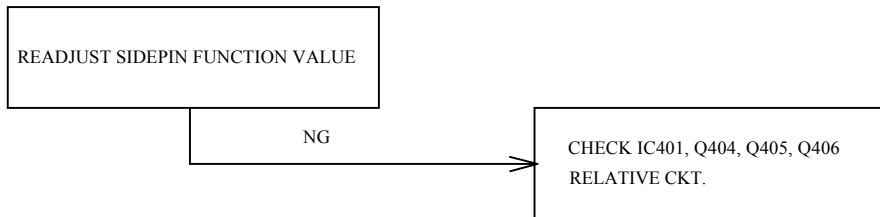
1. ABNORMAL VERTICAL SIZE



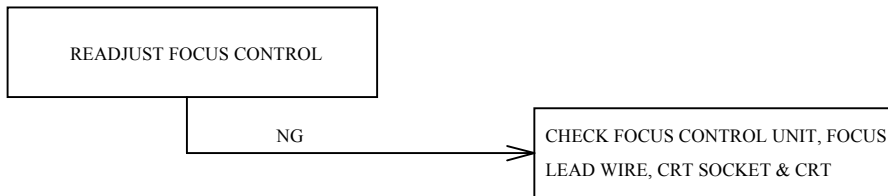
2. VERTICAL CENTER



6-7 SIDE-PIN CUSHION DISTORTION



6-8 POOR FOCUS



6-9 POWER SUPPLY TROUBLE SHOOTING CHART

BEFORE CHECK SW.REG. PLEASE REFER TO THE POWER SUPPLY BLOCK DIAGRAM

POWER SUPPLY OUTPUT: (A)

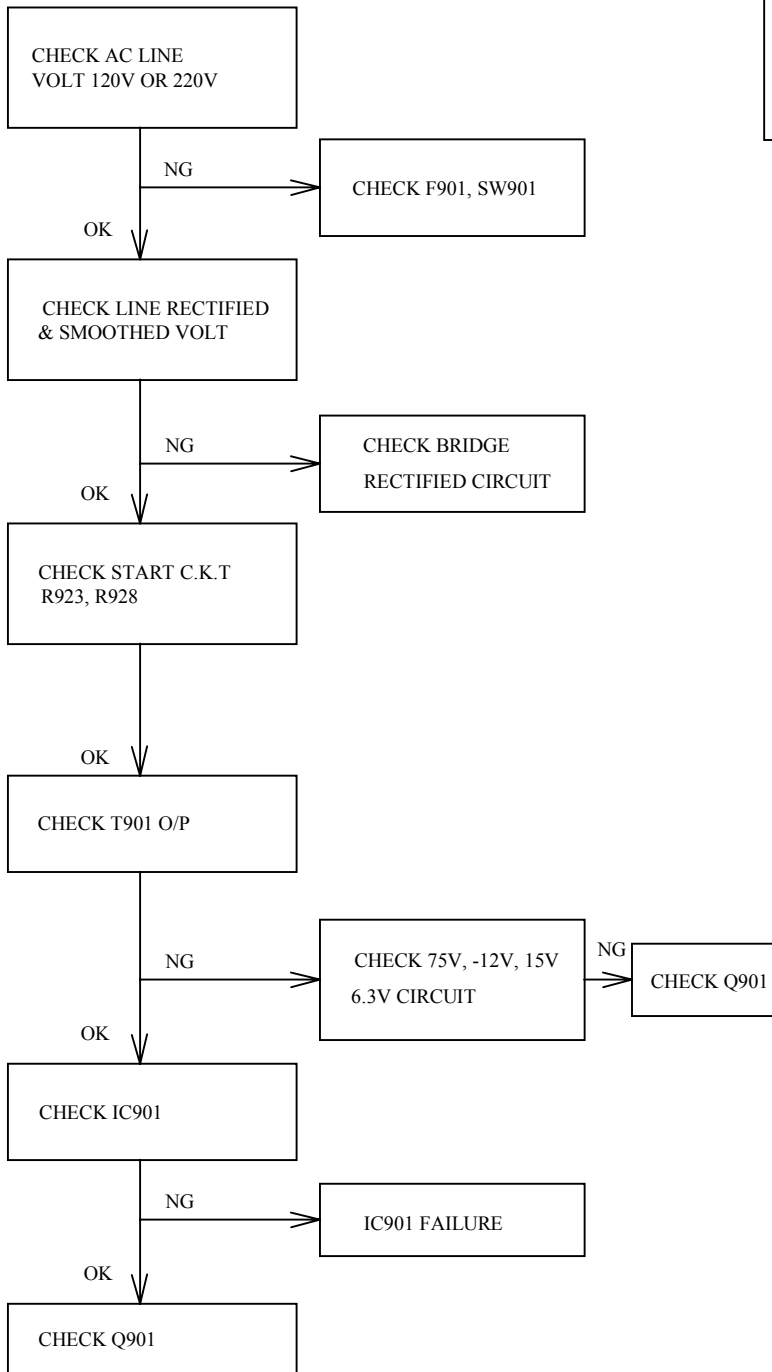
VARIABLE OUTPUT : 86V - 160V

(DEPENDING EPENDING UPON H.SYNC FREQUENCY)

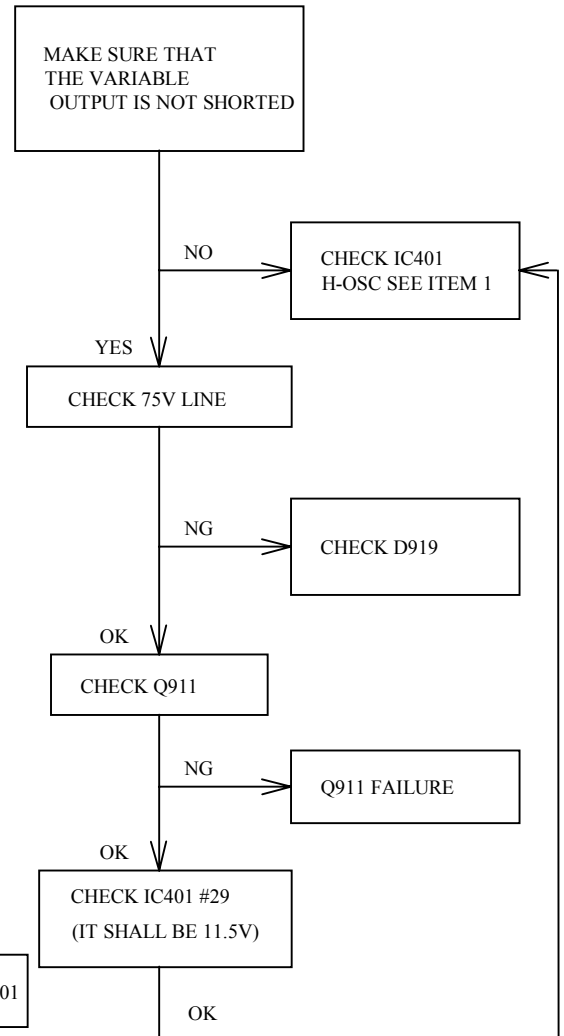
(B)

CONSTANT OUTPUT : 6.3V, 15V, -12V, 75V

BEAD SET



ABNORMAL VARIABLE OUTPUT





PARTS LIST OF CABINET

LOCATION

D551VACWS5N2
(LOW RADIATION 110V)
CMD551V1

SPECIFICATION

CHAS ASS'Y

1A 503- 5T- 47

SCREW FOR CRT

5A 38- 8

RUBBER WASHER

11A 112- 1

WIRE MOUNTS

26A 800-504- 5

BAR CODE

33A4018- Y- A

KEY PAD

33A4019- 1

FUNC LED LENS

33A4020- Y- A

S.C.CAP



34A 730- 2Y- A

BEZEL

40A 154-501- 1

HI-POT GND LABEL FOR MON

40A 581- 26-704

LABEL

40A2031-615- 8A

ID LABEL

41A 68-508- A

CARD

41A 68-615- 1C

WARRANTY MANUAL

41A 553-615- 7F

MANUAL

44A0748- 1M

SLIP SHEET

44A0748- 2M

SLIP SHEET

44A0808- 1N

SLIP SHEET

44A0808- 2N

SLIP SHEET

44A3191-615-12D

CARTON

44A6547- 1

EPS FOAM

44A6547- 2

EPS FOAM

45A 76- 28- RN

pe bag for manual

45A 77- 3

TRANSPARENT SHEET

45A 77-500

BARCODE RIBBON

45A 77-501

BARCODE RIBBON

45A 88- 1- RN

PE BAG

71A 303- 9- C

DISKETTES ECOLOGY

85A 568- 1

SHIELD



89A410C-15N- IS

POWER CORD

95A 91-205-653

WIRE

95A8013- 2

WIRE

B1A1035- 10-128

SCREW 3.5X10

M1A1130- 8-128

SCREW 3.0X8

Q1A 340- 16-128

SCREW

705A550S-F34-02A

CAB'T ASS'Y



750A1697- 1G

0.4*80Ts degaussing coil

750A5910-5PS

CPT15"AS WITH P-C-COIL T

750A5910-7PS

CPT15"AS WITH P-C-COIL D

750A5960-5PS

LG 15"AS+P-C-COIL DY IMP

PARTS LIST OF CHAS

LOCATION	D551VAC WS5N2 AMD551V1 CRD551VCD	SPECIFICATION MAIN PC BOARD ASS'Y CRT BOARD ASS'Y
	1A 421- 4-128	SCREW
	11A 141- 1	PCB SUPPORT
	15A5640- 1- A	AL GND LUG
	15A5643-501	REAR BRACKET
	33A3662- 1	LED HOLDER
	40A 581- 26-702	FAIL-SAFE LABEL
	40A 581-624- 2A	CHASSIS LABEL
	71A 100- 7	FERRITE CORE 28.5*14.2*6
	84A 33- 10	FUSE CLIP
	89A173D-5MH-GLA	SIGNAL CABLE
	D1A1140- 7-128	SCREW 4X7(FOR AC)
	M1A1140- 6-128	SCREW
	Q1A1135- 10-128	SCREW 3x10
	705A550S-C56-01D	IC601 ASS'Y
	705A551V-C56-03D	IC101 ASS'Y
	705A551V-C57-02C	Q403/Q406/D408 ASS'Y
	705A551V-C57-02D	Q911 ASS'Y
	705A551V-C57-03D	Q901 ASS'Y
	705A551V-C87-02D	AC LINI INALMAYS CN901
	750A5920-551-ASN	CRT □ ASS'Y
	750A5960-551-5AG	LG CRT ASS'Y E92MPRII FOR
	750A5960-551-5PS	LG CRT ASS'Y FOR D551V
(LED1)	81A 10- 2- SA	POWER LED
(SW101)	77A 602- 1- CJ	TACT SWITCH TSVB-2
(SW102)	77A 602- 1- CJ	TACT SWITCH TSVB-2
(SW103)	77A 602- 1- CJ	TACT SWITCH TSVB-2
C-C	95A 202- 59-032	UL1007#22/WHT SOLID
C422	63A210J-684-2CC	0.68UF 250V +-5% MPP
C426	63A210J-104-3CM	0.12UF 400V 5%
C432	67A 215-470-11H	47UF +-20% 200V HERMEI
C603	67A 309-471- 3T	470UF +-20% 16V
C605	67A 305-101- 7T	100UF +-20% 50V
C608	67A 309-102- 3	1000UF +-20% 16V
C709	65A 1K-121- 6A	1KV 120PF
C713	67A 309-220- 10	22UF +-20% 160V
C714	67A 305-331- 4	330UF +-20% 25V
C900	65A305M-472-2B2	4700PF +-20% 400VAC PY17
C902	63A 107-334- H	INTERFERENCE SUPPRESSORS
C907	67A 30-151-14D	150UF +-20% 400V HEC





LOCATION	CMD551V1	SPECIFICATION
C951	67A 215-470-11H	47UF +-20% 200V HERMEI
C963	65A305M-472-2B2	4700PF +-20% 400VAC PY17
C964	65A305M-472-2B2	4700PF +-20% 400VAC PY17
C970	67A 309-222- 3	2200UF +-20% 16V
CN902	33A3074- 1	2P PLUG
D901	93A 52-55W-52T	RECTIFIER DIODE 1N5408/G
D902	93A 52-55W-52T	RECTIFIER DIODE 1N5408/G
D903	93A 52-55W-52T	RECTIFIER DIODE 1N5408/G
D904	93A 52-55W-52T	RECTIFIER DIODE 1N5408/G
D919	93A 60-73F	31 DF4-FC/I.R
D922	93A3040- 8T	RG-4
D923	93A3020-501-52T	SUF5402
D925	93A3040-10E-52T	UF304G
F-F	95A 202- 59-032	UL1007#22/WHT SOLID
F901	84A 7H-315- SL	FUSE 3.15A 250V LF-6183.
H802	95A8013- 11-500	WIRE
H803	95A8013- 6- 1	6-6P WIRE L:200MM MTG H8
HS1	95A205T- 30-04A	Wire Harness
IC102	56A1133-12A	M24C04BN6
IC104	56A74LS- 14- M	SN74LS14N
IC401	56A 573-510	TDA9115
IC901	56A 379- 12	8PIN IC UC3842AM/LIN
L405	73A 253- 68- S	CHOKE COIL
L901	73A 174- 2- HA	LINE FILTER
L902	73A 173- 2- HA	LINE FILTER
L903	73A 259- 4	200UH +/-5%
L906	73A 253- 90- H	CHOKE
LED2	81A 2- 3- 2B	LED GREEN BL-B2441J
LED3	81A 2- 3- 2B	LED GREEN BL-B2441J
LED4	81A 2- 3- 2B	LED GREEN BL-B2441J
LED5	81A 2- 3- 2B	LED GREEN BL-B2441J
LED6	81A 2- 3- 2B	LED GREEN BL-B2441J
LED7	81A 2- 3- 2B	LED GREEN BL-B2441J
LED8	81A 2- 3- 2B	LED GREEN BL-B2441J
LED9	81A 2- 3- 2B	LED GREEN BL-B2441J
NR901	61A 58- 8	NTCR15OHM +-20% 2.5A UPP
P402	33A3192- 4	4P PLUG
P403	33A8009- 3	3 PIN PLUG
PR901	61A 52- 27- 4G	PTCR 90HM+-20% 220V GAOL
Q410	57A 600- 21	IRF630M/S.T
Q426	57A 600- 21	IRF630M/S.T
Q909	57A 728- 3	HSB772P/HSB772E HI-SINCE



LOCATION	CMD551V1	SPECIFICATION
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R426	61A153M-270- 59	MOFR 27 OHM +-5% 3W
R428	61A153M-828- 59	MOFR 0.82 OHM +-5% 3W
R429	61A 208-100- 64	MOFR 100OHM+-5% 1W
R456	61A153M-271- 59	MOFR 270 OHM+-5% 3W
R608	61A152M-100- 64	MOFR 10 OHM+-5% 2W
R723	61A152M-101- 64	MOFR 1000OHM+-5% 2W
R921	61A 208-100- 64	MOFR 100OHM+-5% 1W
R923	61A152M-753- 64	MOFR 75KOHM+-5% 2W
R927	61A153M-333- 59	MOFR 33K OHM +-5% 3W
R928	61A152M-753- 64	MOFR 75KOHM+-5% 2W
R929	61A 20K-338-GB1	CEMENTR 0.33OHM +-10% 2W
R954	61A152M-183- 64	MOFR 18KOHM +-5% 2W
R955	61A 303-228- 64	FUSER 0.22OHM +-5% 1W
R989	61A152M-471- 64	MOFR 470 OHM +-5% 2W
R991	61A152M-910- 64	MOFR 91 OHM+-5% 2W
 RY901	77A 260- 5- 4	RELAY
SS1	95A205T- 30-05A	WIRE
 SW901	77A411A- 2- S	PUSH SWITCH
T401	79A 167-71B- H	BRIVER TRANSFORMER
 T402	79A 355- 1- AS	FBT
T901	80AD551- 1- G	TRANSFORMER
TP701	9A 211- 2	PIN 1.2X15MM
TP902	9A 211- 2	PIN 1.2X15MM
VR701	75A 334-223	CFVR 22K OHM +-20%
VR702	75A335M-204	MFVR 200K OHM +-20%
VR901	75A 335-101	CFVR 100 OHM +-20%
VR902	75A 335-303	CFVR 30K OHM +-20%
[GND]	9A 203- 8	BRASS PIN

PARTS LIST OF MAIN PC BOARD



LOCATION	AMD551VCD1	SPECIFICATION
	6A 31- 4	BRASS
	715A 822- 1	MAIN BOARD
C103	65A 450-104- 7T	0.1UF +80-20% 50V Y5V
C104	67A 309-101- 4T	100UF +-20% 25V
C105	65A 450-104- 7T	0.1UF +80-20% 50V Y5V
C106	67A 309-100- 7T	10UF +-20% 50V
C110	67A 309-109- 7T	1.0UF +-20% 50V
C130	65A 442-470-13T	47PF +-5% NPO 50V
C146	95A 90- 23	TIN COATED
C160	65A 444-101- 5T	100 PF 10% 50V Y5P
C161	65A 442-471- 9T	470PF 50V
C162	65A 444-102-13T	1000PF +-10% Y5P 50V
C163	65A 444-101- 5T	100 PF 10% 50V Y5P
C164	65A 450-104- 7T	0.1UF +80-20% 50V Y5V
C403	64A 44J-223-1AT	22NF 100V
C406	65A 450-104-7TV	0.1UF +80-20% 50V Y5V
C407	65A 444-101- 5T	100 PF 10% 50V Y5P
C408	65A 444-101- 5T	100 PF 10% 50V Y5P
C409	65A 442-101-13T	100PF +-5% NPO 50V
C410	65A 442-101-13T	100PF +-5% NPO 50V
C411	65A 442-101-13T	100PF +-5% NPO 50V
C412	65A 444-471- 5T	470PF 10% 50V Y5P
C413	65A 450-104- 7T	0.1UF +80-20% 50V Y5V
C414	64A176J-474- 1T	.47UF +-5% 100V
C415	64A 44J-222-1AT	2200PF 100V PEI
C417	64A700J-104-0AT	0.1uF/50V +-5%
C420	65A 442-101-13T	100PF +-5% NPO 50V
C421	65A 1K-152- 1T	1.5NF/1KV Z5F+-10%
C423	65A 444-332- 5T	3300PF 10% 50V Y5P
C429	65A 444-332- 5T	3300PF 10% 50V Y5P
C433	67A 309-109- 7T	1.0UF +-20% 50V
C434	67A 309-100- 7T	10UF +-20% 50V
C435	64A 44J-103-1AT	.01UF +-5% 100V
C436	67A 309-101- 4T	100UF +-20% 25V
C437	67A 309-100- 7T	10UF +-20% 50V
C438	67A 309-109- 7T	1.0UF +-20% 50V
C439	67A 309-109- 7T	1.0UF +-20% 50V
C441	67A 305-100- 7T	10UF +-20% 50V
C443	67A 309-470- 3T	47UF +-20% 16V
C446	65A 444-101- 5T	100 PF 10% 50V Y5P
C447	64A 45G-102-1AT	.001UF +-2% 100V

LOCATION	AMD551VCD1	SPECIFICATION
C449	64A 44J-473-1AT	0.047UF 100V PEI
C450	95A 90- 23	TIN COATED
C460	65A 450-333- 7T	0.033UF 50V
C463	64A 44J-103-1AT	.01UF +-5% 100V
C464	65A 450-104-7TV	0.1UF +80-20% 50V Y5V
C465	67A 309-479- 7T	4.7UF +-20% 50V
C466	64A 44J-822-1AT	8200P/100V
C467	64A 44J-103-1AT	.01UF +-5% 100V
C476	65A 450-104-7TV	0.1UF +80-20% 50V Y5V
C480	95A 90- 23	TIN COATED
C486	65A 442-220-13T	22PF +-5% NPO 50V
C601	64A700J-104-0AT	0.1uF/50V +-5%
C602	65A 444-331- 5T	330PF 10% 50V
C604	64A178J-224- 1T	C121X 0.22UF 100V +-5%
C607	65A 444-681- 5T	680PF 10% 50V Y5P
C609	64A700J-104-0AT	0.1uF/50V +-5%
C610	64A701J-474-0AT	0.47UF 50V +-5%
C611	64A700J-104-0AT	0.1uF/50V +-5%
C613	64A701J-154-0AT	0.15UF 50V +-5%
C614	65A 444-101- 5T	100 PF 10% 50V Y5P
C615	64A 44J-103-1AT	.01UF +-5% 100V
C617	64A700J-823-0AT	0.082UF /50V
C621	65A 450-104- 7T	0.1UF +80-20% 50V Y5V
C705	67A 309-220- 7T	22UF +-20% 50V
C707	63A212J-223-2AT	22NF 250V +-5%
C710	64A176J-224- 2T	0.22UF +-5% 250V
C712	67A 60-229- 7T	2.2UF +-20% 50V
C770	95A 90- 23	TIN COATED
C916	67A 305-101- 4T	100UF +-20% 25V
C918	64A 44J-332-1AT	3300PF 100V PEI
C920	64A 44J-102-1AT	1000PF 100V PEI
C921	64A700J-104-0AT	0.1uF/50V +-5%
C922	64A178J-104- 1T	C121X 0.1UF 100V +-5%
C923	65A 1K-331- 5T	330PF/1KV Y5P+-10%
C924	64A 44J-222-1AT	2200PF 100V PEI
C941	64A700J-104-0AT	0.1uF/50V +-5%
C943	64A 44J-152-1AT	1500PF/100V
C944	67A 309-101- 3T	100UF +-20% 16V
C945	64A700J-104-0AT	0.1uF/50V +-5%
C946	63A212J-224-2AT	220NF 250V +-5%
C947	67A 309-479- 7T	4.7UF +-20% 50V
C950	65A 1K-221- 2T	220PF/1KV Z5P+-10%

LOCATION	AMD551VCD1	SPECIFICATION
C955	65A 1K-221- 5T	220PF/1KV Y5P+-10%
C960	67A 309-229- 7T	2.2UF +-20% 50V
C961	64A 44J-103-1AT	.01UF +-5% 100V
C965	64A 44J-103-1AT	.01UF +-5% 100V
C966	67A 309-470- 7T	47UF +-20% 50V
C990	67A 309-109- 7T	1.0UF +-20% 50V
C991	67A 309-100- 7T	10UF +-20% 50V
C995	64A 44J-472-1AT	4700PF 100V PEI
D101	93A 64- 11-52T	DIODE 1N4148
D102	93A 64- 11-52T	DIODE 1N4148
D103	93A 64- 11-52T	DIODE 1N4148
D104	93A 64- 11-52T	DIODE 1N4148
D105	95A 90- 23	TIN COATED
D106	93A 64- 11-52T	DIODE 1N4148
D107	93A 64- 11-52T	DIODE 1N4148
D400	93A1002- 1W-52T	1N5817
D402	93A 64- 11-52T	DIODE 1N4148
D404	93A 64- 11-52T	DIODE 1N4148
D405	93A1002- 1P-52T	1N5817
D406	93A 60-26W-52T	FR107-FW/WILLAS
D407	93A 60-21Z-52T	TFR155
D411	93A 64-501-52T	SWITCHING DIODE BAV21
D412	93A 64- 11-52T	DIODE 1N4148
D414	93A 60-38P-52T	PS102R
D415	93A 60-26W-52T	FR107-FW/WILLAS
D423	93A 60-21Z-52T	TFR155
D440	93A 64- 11-52T	DIODE 1N4148
D450	93A 64- 11-52T	DIODE 1N4148
D460	93A 64- 11-52T	DIODE 1N4148
D463	93A 60-26W-52T	FR107-FW/WILLAS
D601	93A 52-47T-52T	1N4004
D602	93A 64- 11-52T	DIODE 1N4148
D603	93A 64- 11-52T	DIODE 1N4148
D701	93A 64- 11-52T	DIODE 1N4148
D704	93A 52-47T-52T	1N4004
D706	93A 60-44T-52T	RECTIFIER DIODE FR157S
D710	95A 90- 23	TIN COATED
D910	93A 60-21Z-52T	TFR155
D911	93A 64-31T-52T	BAV20
D912	95A 90- 23	TIN COATED
D913	93A 64- 11-52T	DIODE 1N4148
D914	93A 64- 11-52T	DIODE 1N4148

LOCATION	AMD551VCD1	SPECIFICATION
D917	93A 64-31T-52T	BAV20
D921	93A1040-501-52T	GUF10G
D926	93A 64- 11-52T	DIODE 1N4148
D928	93A 64- 11-52T	DIODE 1N4148
D929	93A 52-47T-52T	1N4004
D939	93A 64- 11-52T	DIODE 1N4148
D941	93A 52-47T-52T	1N4004
D960	95A 90- 23	TIN COATED
D990	93A 64- 11-52T	DIODE 1N4148
D991	93A 64- 11-52T	DIODE 1N4148
D995	93A 64- 11-52T	DIODE 1N4148
FB401	95A 90- 23	TIN COATED
FB402	71A 55- 9- T	FERRITE BEAD 6X3.5X0.8
FB403	71A 55- 9- T	FERRITE BEAD 6X3.5X0.8
FB405	95A 90- 23	TIN COATED
FB406	95A 90- 23	TIN COATED
FB410	71A 55- 9- T	FERRITE BEAD 6X3.5X0.8
FB903	71A 55- 9- T	FERRITE BEAD 6X3.5X0.8
FB904	71A 55- 19- T	FERRITE BEAD 9X3.5X0.8
FB905	95A 90- 23	TIN COATED
FB906	71A 55- 19- T	FERRITE BEAD 9X3.5X0.8
FB907	71A 55- 9- T	FERRITE BEAD 6X3.5X0.8
J003	95A 90- 23	TIN COATED
J004	95A 90- 23	TIN COATED
J005	95A 90- 23	TIN COATED
J006	95A 90- 23	TIN COATED
J008	95A 90- 23	TIN COATED
J009	95A 90- 23	TIN COATED
J010	95A 90- 23	TIN COATED
J011	95A 90- 23	TIN COATED
J012	95A 90- 23	TIN COATED
J013	95A 90- 23	TIN COATED
J014	95A 90- 23	TIN COATED
J015	95A 90- 23	TIN COATED
J016	95A 90- 23	TIN COATED
J017	95A 90- 23	TIN COATED
J018	95A 90- 23	TIN COATED
J019	95A 90- 23	TIN COATED
J020	95A 90- 23	TIN COATED
J021	95A 90- 23	TIN COATED
J022	95A 90- 23	TIN COATED
J023	95A 90- 23	TIN COATED

LOCATION	AMD551VCD1	SPECIFICATION
J024	95A 90- 23	TIN COATED
J025	95A 90- 23	TIN COATED
J027	95A 90- 23	TIN COATED
J028	95A 90- 23	TIN COATED
J029	95A 90- 23	TIN COATED
J030	95A 90- 23	TIN COATED
J032	95A 90- 23	TIN COATED
J033	95A 90- 23	TIN COATED
J034	95A 90- 23	TIN COATED
J035	95A 90- 23	TIN COATED
J036	95A 90- 23	TIN COATED
J038	95A 90- 23	TIN COATED
J039	95A 90- 23	TIN COATED
J040	95A 90- 23	TIN COATED
J041	95A 90- 23	TIN COATED
J042	95A 90- 23	TIN COATED
J043	95A 90- 23	TIN COATED
J044	95A 90- 23	TIN COATED
J045	95A 90- 23	TIN COATED
J046	95A 90- 23	TIN COATED
J047	95A 90- 23	TIN COATED
J048	95A 90- 23	TIN COATED
J050	95A 90- 23	TIN COATED
J051	95A 90- 23	TIN COATED
J052	95A 90- 23	TIN COATED
J053	95A 90- 23	TIN COATED
J054	95A 90- 23	TIN COATED
J057	95A 90- 23	TIN COATED
J058	95A 90- 23	TIN COATED
J059	95A 90- 23	TIN COATED
J061	95A 90- 23	TIN COATED
J062	95A 90- 23	TIN COATED
J063	95A 90- 23	TIN COATED
J064	95A 90- 23	TIN COATED
J065	95A 90- 23	TIN COATED
J066	95A 90- 23	TIN COATED
J067	95A 90- 23	TIN COATED
J068	95A 90- 23	TIN COATED
J069	95A 90- 23	TIN COATED
J070	95A 90- 23	TIN COATED
J071	95A 90- 23	TIN COATED
J072	95A 90- 23	TIN COATED

LOCATION	AMD551VCD1	SPECIFICATION
J073	95A 90- 23	TIN COATED
J074	95A 90- 23	TIN COATED
J075	95A 90- 23	TIN COATED
J076	95A 90- 23	TIN COATED
J077	95A 90- 23	TIN COATED
J078	95A 90- 23	TIN COATED
J079	95A 90- 23	TIN COATED
J080	95A 90- 23	TIN COATED
J081	95A 90- 23	TIN COATED
J083	95A 90- 23	TIN COATED
J084	95A 90- 23	TIN COATED
J085	95A 90- 23	TIN COATED
J086	95A 90- 23	TIN COATED
J087	95A 90- 23	TIN COATED
J088	95A 90- 23	TIN COATED
J089	95A 90- 23	TIN COATED
J091	95A 90- 23	TIN COATED
J092	95A 90- 23	TIN COATED
J095	95A 90- 23	TIN COATED
J096	95A 90- 23	TIN COATED
J097	95A 90- 23	TIN COATED
J098	95A 90- 23	TIN COATED
J099	95A 90- 23	TIN COATED
J100	95A 90- 23	TIN COATED
J102	95A 90- 23	TIN COATED
J103	95A 90- 23	TIN COATED
J104	95A 90- 23	TIN COATED
J105	95A 90- 23	TIN COATED
J107	95A 90- 23	TIN COATED
J108	95A 90- 23	TIN COATED
J110	95A 90- 23	TIN COATED
J111	95A 90- 23	TIN COATED
J113	95A 90- 23	TIN COATED
J116	95A 90- 23	TIN COATED
J117	95A 90- 23	TIN COATED
L101	73A 53-339-10T	3.3UH +-10%
L406	95A 90- 23	TIN COATED
L905	95A 90- 23	TIN COATED
Q402	57A 706- 2- T	2N7000/PHILIPS
Q404	57A 420-502- T	3CG733P
Q405	57A 420-502- T	3CG733P
Q407	57A 419-503- T	3DG 945P

LOCATION	AMD551VCD1	SPECIFICATION
Q408	57A 419-503- T	3DG 945P
Q601	57A 419-502- T	3DG1815Y
Q703	57A 419-503- T	3DG 945P
Q704	57A 420-502- T	3CG733P
Q705	57A 498- 1- T	TRAN BF423 TAPING PHILIP
Q910	57A 419-503- T	3DG 945P
Q912	57A 446-500- T	3DG 1213C
Q913	57A 419-503- T	3DG 945P
Q918	57A 446-500- T	3DG 1213C
Q920	57A 619- 1- T	2SA673AC/HITACHI
Q921	57A 446-500- T	3DG 1213C
Q990	57A 419-503- T	3DG 945P
R068	95A 90- 23	TIN COATED
R100	61A 602-472-52T	CFR 4.7K OHM+-5% 1/6W
R103	61A 602-681-52T	CFR 680 OHM +-5% 1/6W
R104	61A 602-681-52T	CFR 680 OHM +-5% 1/6W
R105	61A 602-681-52T	CFR 680 OHM +-5% 1/6W
R106	61A 602-303-52T	CFR 30K OHM+-5% 1/6W
R107	61A 602-681-52T	CFR 680 OHM +-5% 1/6W
R108	61A 602-512-52T	CFR 5.1K OHM+-5% 1/6W
R109	61A 602-512-52T	CFR 5.1K OHM+-5% 1/6W
R110	61A 172-101-52T	CFR 100OHM+-5% 1/4W
R111	61A 172-101-52T	CFR 100OHM+-5% 1/4W
R112	61A 602-622-52T	CFR 6.2K OHM +-5% 1/6W
R117	61A 602-101-52T	CFR 100 OHM+-5% 1/6W
R118	61A 602-103-52T	CFR 10K OHM+-5% 1/6W
R119	61A 602-103-52T	CFR 10K OHM+-5% 1/6W
R120	61A 602-222-52T	CFR 2.2K OHM +-5% 1/6W
R121	61A 602-681-52T	CFR 680 OHM +-5% 1/6W
R122	61A 172-221-52T	CFR 220OHM+-5% 1/4W
R123	61A 602-681-52T	CFR 680 OHM +-5% 1/6W
R124	61A 602-152-52T	CFR 1.5K OHM +-5% 1/6W
R125	61A 602-681-52T	CFR 680 OHM +-5% 1/6W
R126	61A 172-202-52T	CFR 2KOHM+-5% 1/4W
R130	61A 602-472-52T	CFR 4.7K OHM+-5% 1/6W
R132	61A 602-101-52T	CFR 100 OHM+-5% 1/6W
R135	61A 602-152-52T	CFR 1.5K OHM +-5% 1/6W
R136	61A 602-222-52T	CFR 2.2K OHM +-5% 1/6W
R141	61A 602-222-52T	CFR 2.2K OHM +-5% 1/6W
R143	61A 602-101-52T	CFR 100 OHM+-5% 1/6W
R145	61A 602-102-52T	CFR 1K OHM+-5% 1/6W
R153	95A 90- 23	TIN COATED

LOCATION	AMD551VCD1	SPECIFICATION
R155	61A 602-681-52T	CFR 680 OHM +-5% 1/6W
R156	61A 602-332-52T	CFR 3.3K OHM+-5% 1/6W
R157	61A 602-332-52T	CFR 3.3K OHM+-5% 1/6W
R165	61A 602-222-52T	CFR 2.2K OHM +-5% 1/6W
R172	61A 172-101-52T	CFR 100OHM+-5% 1/4W
R180	61A 602-362-52T	CFR 3.6K OHM+-5% 1/6W
R181	61A 602-472-52T	CFR 4.7K OHM+-5% 1/6W
R186	61A 602-202-52T	CFR 2K OHM+-5% 1/6W
R402	61A 172-222-52T	CFR 2.2KOHM+-5% 1/4W
R403	61A 602-101-52T	CFR 100 OHM+-5% 1/6W
R404	61A 602-101-52T	CFR 100 OHM+-5% 1/6W
R405	61A 602-101-52T	CFR 100 OHM+-5% 1/6W
R406	61A 602-101-52T	CFR 100 OHM+-5% 1/6W
R407	95A 90- 23	TIN COATED
R408	61A 172-474-52T	CFR 470K OHM +-5% 1/4W
R410	61A 210-432-52T	MFR 4.3KOHM +-1% 1/6W
R411	61A 210-472-52T	MFR 4.7K OHM +- 1% 1/6W
R416	61A 210-243-52T	MFR 24K OHM +- 1% 1/6W
R417	61A 210-822-52T	MFR 8.2KOHM +-1% 1/6W
R418	61A 210-912-52T	MFR 9.1KOHM +-1% 1/6W
R420	61A 172-472-52T	CFR 4.7K OHM +-5% 1/4W
R421	61A 172-332-52T	CFR 3.3KOHM+-5% 1/4W
R422	61A 602-101-52T	CFR 100 OHM+-5% 1/6W
R425	61A 172-101-52T	CFR 100OHM+-5% 1/4W
R427	61A175L-220-52T	CFR 22 OHM +-5% 1/2W
R430	61A 172-913-52T	CFR 91KOHM+-5% 1/4W
R431	61A 172-622-52T	CFR 6.2K OHM +-5% 1/4W
R433	61A 602-102-52T	CFR 1K OHM+-5% 1/6W
R434	61A 602-392-52T	CFR 3.9K OHM+-5% 1/6W
R436	61A 602-102-52T	CFR 1K OHM+-5% 1/6W
R438	95A 90- 23	TIN COATED
R440	61A 200-562-52T	MFR 5.6KOHM+-1% 1/4W
R441	61A175L-184-52T	CFR 180K OHM +-5% 1/2W
R442	61A175L-102-52T	CFR 1K OHM +-5% 1/2W
R443	61A 172-473-52T	CFR 47K OHM +-5% 1/4W
R444	61A 200-274-52T	MFR 270KOHM+-1% 1/4W
R445	61A 602-203-52T	CFR 20K OHM+-5% 1/6W
R446	61A 602-103-52T	CFR 10K OHM+-5% 1/6W
R447	61A 172-102-52T	CFR 1KOHM +-5% 1/4W
R448	61A175L-102-52T	CFR 1K OHM +-5% 1/2W
R449	61A 172-472-52T	CFR 4.7K OHM +-5% 1/4W
R450	61A 602-563-52T	CFR 56K OHM +-5% 1/6W

LOCATION	AMD551VCD1	SPECIFICATION
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R460	61A 172-472-52T	CFR 4.7K OHM +-5% 1/4W
R462	61A 602-473-52T	CFR 47K OHM+-5% 1/6W
R466	61A 172-471-52T	CFR 470OHM +-5% 1/4W
R471	61A 602-563-52T	CFR 56K OHM +-5% 1/6W
R476	61A 172-224-52T	CFR 220KOHM+-5% 1/4W
R479	61A 172-224-52T	CFR 220KOHM+-5% 1/4W
R480	95A 90- 23	TIN COATED
R497	61A 602-561-52T	CFR 560 OHM +-5% 1/6W
R601	61A 200-243-52T	MFR 24KOHM+-1% 1/4W
R602	61A 210-392-52T	MFR 3.9K OHM +- 1% 1/6W
R603	61A 200-123-52T	MFR 12KOHM+-1% 1/4W
R604	61A 172-562-52T	CFR 5.6K OHM +-5% 1/4W
R605	61A175L-159-52T	CFR 1.5 OHM +-5% 1/2W
R606	61A175L-151-52T	CFR 150 OHM+-5% 1/2W
R610	61A 172-124-52T	CFR 120K OHM +-5% 1/4W
R612	61A 172-222-52T	CFR 2.2KOHM+-5% 1/4W
R613	61A 172-102-52T	CFR 1KOHM +-5% 1/4W
R618	61A 602-124-52T	CFR 120K OHM +-5% 1/6W
R619	61A 200-243-52T	MFR 24KOHM+-1% 1/4W
R620	95A 90- 23	TIN COATED
R707	61A 602-472-52T	CFR 4.7K OHM+-5% 1/6W
R708	61A 602-103-52T	CFR 10K OHM+-5% 1/6W
R709	61A 602-103-52T	CFR 10K OHM+-5% 1/6W
R710	61A 602-103-52T	CFR 10K OHM+-5% 1/6W
R711	61A 602-153-52T	CFR 15K OHM+-5% 1/6W
R712	61A 602-123-52T	CFR 12K OHM+-5% 1/6W
R713	61A 602-562-52T	CFR 5.6KOHM+-5% 1/6W
R715	61A 602-103-52T	CFR 10K OHM+-5% 1/6W
R720	61A175L-104-52T	CFR 100K OHM +-5% 1/2W
R721	61A175L-102-52T	CFR 1K OHM +-5% 1/2W
R722	95A 90- 23	TIN COATED
R724	61A212Y-105-52T	MGFR 1M OHM+-5% 1/2W
R725	95A 90- 23	TIN COATED
R726	61A 602-332-52T	CFR 3.3K OHM+-5% 1/6W
R727	61A175L-682-52T	CFR 6.8K OHM +-5% 1/2W
R728	61A 172-561-52T	CFR 560 OHM +-5% 1/4W
R730	95A 90- 23	TIN COATED
R750	61A212Y-274-52T	MGFR 270K OHM +-5% 1/2W
R901	61A175L-474-52T	CFR 470K OHM +-5% 1/2W
R914	61A 172-102-52T	CFR 1KOHM +-5% 1/4W
R915	61A 172-222-52T	CFR 2.2KOHM+-5% 1/4W
R919	61A 172-103-52T	CFR 10KOHM +-5% 1/4W

LOCATION

AMD551VCD1

SPECIFICATION

R925	61A212Y-154-52T	MGFR 150K OHM +-5% 1/2W
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R930	61A 172-202-52T	CFR 2KOHM+-5% 1/4W
R931	61A 200-109-52T	MFR 10HM+-1% 1/4W
R932	95A 90- 23	TIN COATED
R935	61A 172-334-52T	CFR 330K OHM +-5% 1/4W
R936	95A 90- 23	TIN COATED
R937	61A 172-151-52T	CFR 150 OHM +-5% 1/4W
R938	61A 172-220-52T	CFR 220HM+-5% 1/4W
R939	61A 172-203-52T	CFR 20KOHM+-5% 1/4W
R940	61A 171-393-52T	CFR 39K OHM +-2% 1/4W
R941	61A 172-152-52T	CFR 1.5K OHM +-5% 1/4W
R942	61A 172-680-52T	CFR 68 OHM +-5% 1/4W
R944	61A 172-103-52T	CFR 10KOHM +-5% 1/4W
R957	61A 172-473-52T	CFR 47K OHM +-5% 1/4W
R958	61A175L-102-52T	CFR 1K OHM +-5% 1/2W
R959	61A 172-333-52T	CFR 33KOHM+-5% 1/4W
R960	61A 172-473-52T	CFR 47K OHM +-5% 1/4W
R961	95A 90- 23	TIN COATED
R962	61A 172-220-52T	CFR 220HM+-5% 1/4W
R963	61A175L-201-52T	CFR 200 OHM +-5% 1/2W
R966	61A 172-302-52T	CFR 3KOHM+-5% 1/4W
R967	61A 172-273-52T	CFR 27KOHM+-5% 1/4W
R968	61A 172-244-52T	CFR 240KOHM+-5% 1/4W
R969	61A214Y-753-52T	MGFR 75K OHM +-5% 1/4W
R972	61A 172-203-52T	CFR 20KOHM+-5% 1/4W
R979	61A 172-151-52T	CFR 150 OHM +-5% 1/4W
R980	61A 172-221-52T	CFR 220OHM+-5% 1/4W
R981	61A175L-101-52T	CFR 100 OHM +-5% 1/2W
R982	61A 172-103-52T	CFR 10KOHM +-5% 1/4W
R983	61A 172-103-52T	CFR 10KOHM +-5% 1/4W
R985	61A 172-391-52T	CFR 390 OHM +-5% 1/4W
R986	61A175L-106-52T	CFR 10M OHM +-5% 1/2W
R988	61A 172-223-52T	CFR 22KOHM+-5% 1/4W
R992	61A 602-222-52T	CFR 2.2K OHM +-5% 1/6W
R993	61A 172-103-52T	CFR 10KOHM +-5% 1/4W
R994	61A 172-103-52T	CFR 10KOHM +-5% 1/4W
R995	61A 171-393-52T	CFR 39K OHM +-2% 1/4W
R996	61A 172-103-52T	CFR 10KOHM +-5% 1/4W
R999	95A 90- 23	TIN COATED
ZD110	93A 39- 73-52T	HZ6B1/HITACHI
ZD110	93A 39-530-52T	ZENER DIODE (TZX5V6D)
ZD403	93A 39- 24-52T	HZ15-2 15V 5% 0.5W/HITAC

LOCATION

AMD551VCD1

SPECIFICATION

ZD404	95A 90- 23	TIN COATED
ZD406	93A 39-504-52T	HZ3B2/HITACHI
ZD420	93A 39-522-52T	TZX20B

ZD430	93A 39-516-52T	TELEFUNKEN TZX5V1B
ZD903	93A 39-124-52T	HZ18-2/HITACHI
ZD905	93A 39-528-52T	ZENER DIODE HZ9A2
ZD950	93A 39- 59-52T	HZ4C2
ZD990	93A 39-522-52T	TZX20B

PARTS LIST OF CRT PC BOARD

LOCATION	AMD551VCD1 AIRD551VCD	SPECIFICATION CRT BOARD
	87A3503- DL	CRT SOCKET
	705A561T-R56- 01	IC802 ASS'Y
C829	67A 305-470- 10	47UF +-20% 160V
C835	65A 2M-103- 3B	0.01UF 2KV 20% Z5U
C870	67A 305-330- 10	33UF +-20% 160V
IC801	56A 539- 5	LM1269NA BY NS
IC803	56A 539- 6	LM2480NA BY NS
P801	33A3278-11A	11P PLUG
P802	33A3278- 11	11P PLUG B11B-XHA/JS
P803	33A3278- 6	6P PLUG B6B-XHA
R822	61A152M-339- 64	MOFR 3.3 OHM+-5% 2W
R879	61A152M-101- 64	MOFR 100OHM+-5% 2W

PARTS LIST OF CRT AUTO INS. PC BOARD

LOCATION	AIRD551VCD	SPECIFICATION
	6A 31- 4	BRASS
	715A 833- 1A	CRPC
C801	67A 305-109- 7T	1UF +-20% 50V
C802	67A 305-109- 7T	1UF +-20% 50V
C803	67A 305-109- 7T	1UF +-20% 50V
C806	65A 450-104-7TV	0.1UF +80-20% 50V Y5V
C807	67A 309-101- 3T	100UF +-20% 16V
C808	65A 442-820-13T	82PF +-5% NPO 50V
C809	67A 305-109- 7T	1UF +-20% 50V
C810	67A 309-101- 3T	100UF +-20% 16V
C811	65A 442-101-13T	100PF +-5% NPO 50V
C812	65A 442-101-13T	100PF +-5% NPO 50V
C815	95A 90- 23	TIN COATED
C816	65A 450-472- 7T	4700PF/50V
C821	65A 450-104-7TV	0.1UF +80-20% 50V Y5V
C822	65A 450-104-7TV	0.1UF +80-20% 50V Y5V
C823	65A 450-104-7TV	0.1UF +80-20% 50V Y5V
C824	65A 450-104-7TV	0.1UF +80-20% 50V Y5V
C827	65A 450-104-7TV	0.1UF +80-20% 50V Y5V
C828	64A176J-104- 1T	0.1UF 5% 100V
C831	65A 550-103- 4T	0.01UF 100V/Z5V
C832	67A 305-109-10T	1UF +-20% 160V
C836	65A517K-102- 5T	1000PF 500V +-10% Y5P
C837	65A517K-102- 5T	1000PF 500V +-10% Y5P
C838	65A517K-102- 5T	1000PF 500V +-10% Y5P
C851	67A 305-470- 4T	47UF +-20% 25V
C852	65A 450-104-7TV	0.1UF +80-20% 50V Y5V
C853	67A 70-478- 9T	0.47UF +-20% 100V
C854	67A 70-478- 9T	0.47UF +-20% 100V
C855	67A 70-478- 9T	0.47UF +-20% 100V
C856	64A176J-104- 1T	0.1UF 5% 100V
C857	64A176J-104- 1T	0.1UF 5% 100V
C858	64A176J-104- 1T	0.1UF 5% 100V
C860	65A517K-102- 5T	1000PF 500V +-10% Y5P
C862	65A517K-221- 2T	220pF 500V +-10% Z5P
C867	65A 1K-102- 5T	1NF/1KV Y5P+-10%
C873	65A 1K-221- 5T	220PF/1KV Y5P+-10%
C887	65A 442-101-13T	100PF +-5% NPO 50V
D801	93A 64- 11-26T	DIODE 1N4148
D802	93A 64- 11-26T	DIODE 1N4148
D803	93A 64- 11-26T	DIODE 1N4148

LOCATION	AIRD551VCD	SPECIFICATION
D804	93A 64- 11-26T	DIODE 1N4148
D805	93A 64- 11-26T	DIODE 1N4148
D806	93A 64- 11-26T	DIODE 1N4148
D810	95A 90- 23	TIN COATED
D817	93A 52- 9T-52T	2A 600V 2A05
D850	93A 64-31T-52T	BAV20
D851	93A 64-31T-52T	BAV20
D852	93A 64-31T-52T	BAV20
D853	93A 64-31T-52T	BAV20
D854	93A 64-31T-52T	BAV20
D855	93A 64-31T-52T	BAV20
D856	93A 64-31T-52T	BAV20
D857	93A 64-31T-52T	BAV20
D858	93A 64-31T-52T	BAV20
FB803	71A 55- 19- T	FERRITE BEAD 9X3.5X0.8
FB805	71A 55- 19- T	FERRITE BEAD 9X3.5X0.8
FB807	71A 55- 19- T	FERRITE BEAD 9X3.5X0.8
FB850	71A 55- 9- T	FERRITE BEAD 6X3.5X0.8
J801	95A 90- 23	TIN COATED
J802	95A 90- 23	TIN COATED
J803	95A 90- 23	TIN COATED
J804	95A 90- 23	TIN COATED
J805	95A 90- 23	TIN COATED
J806	95A 90- 23	TIN COATED
J809	95A 90- 23	TIN COATED
J810	95A 90- 23	TIN COATED
J811	95A 90- 23	TIN COATED
L801	73A 54-478-10T	0.47UH +-10% peaking coi
L802	73A 54-478-10T	0.47UH +-10% peaking coi
L803	73A 54-478-10T	0.47UH +-10% peaking coi
L804	71A 55- 19- T	FERRITE BEAD 9X3.5X0.8
L805	73A 54-129-10T	1.2UH +-10% PEAKING COIL
L806	73A 54-688-10T	0.68UH +-10%
L807	73A 54-478-10T	0.47UH +-10% peaking coi
L808	71A 55- 19- T	FERRITE BEAD 9X3.5X0.8
L850	73A 54-478-10T	0.47UH +-10% peaking coi
L851	73A 54-478-10T	0.47UH +-10% peaking coi
L852	73A 54-688-10T	0.68UH +-10%
R801	61A 602-750-26T	CFR 75 OHM+-5% 1/6W
R802	61A 602-750-26T	CFR 75 OHM+-5% 1/6W
R803	61A 602-750-26T	CFR 75 OHM+-5% 1/6W
R804	61A 602-330-26T	CFR 33 OHM +-5% 1/6W

LOCATION

AIRD551VCD

SPECIFICATION

R805	61A 602-330-26T	CFR 33 OHM +-5% 1/6W
R806	61A 602-330-26T	CFR 33 OHM +-5% 1/6W
R810	95A 90- 23	TIN COATED
R813	61A 210-103-52T	MFR 10K OHM +- 1% 1/6W
R814	61A 602-101-26T	CFR 100 OHM+-5% 1/6W
R815	61A 602-101-26T	CFR 100 OHM+-5% 1/6W
R817	61A 602-473-52T	CFR 47K OHM+-5% 1/6W
R818	61A 602-472-52T	CFR 4.7K OHM+-5% 1/6W
R820	61A 602-103-26T	CFR 10K OHM+-5% 1/6W
R821	61A 172-273-26T	CFR 27KOHM+-5% 1/4W
R823	61A 602-102-52T	CFR 1K OHM+-5% 1/6W
R824	61A 602-102-52T	CFR 1K OHM+-5% 1/6W
R825	61A 602-102-52T	CFR 1K OHM+-5% 1/6W
R827	61A 602-202-26T	2K OHM 5% 1/6W
R829	61A 602-102-52T	CFR 1K OHM+-5% 1/6W
R830	61A 602-392-52T	CFR 3.9K OHM+-5% 1/6W
R831	61A 602-433-52T	CFR 43K OHM +-5% 1/6W
R854	61A 172-111-26T	CFR 110 OHM +-5% 1/4W
R855	61A 172-111-26T	CFR 110 OHM +-5% 1/4W
R856	61A 172-111-26T	CFR 110 OHM +-5% 1/4W
R857	61A 172-224-26T	CFR 220KOHM+-5% 1/4W
R858	61A 172-224-26T	CFR 220KOHM+-5% 1/4W
R859	61A 172-224-26T	CFR 220KOHM+-5% 1/4W
R860	61A 172-102-52T	CFR 1KOHM +-5% 1/4W
R861	61A 172-102-52T	CFR 1KOHM +-5% 1/4W
R862	61A 172-102-52T	CFR 1KOHM +-5% 1/4W
R872	61A175L-560-52T	CFR 56 OHM +-5% 1/2W
R873	61A175L-560-52T	CFR 56 OHM +-5% 1/2W
R874	61A175L-560-52T	CFR 56 OHM +-5% 1/2W
R880	61A175L-104-52T	CFR 100K OHM +-5% 1/2W
ZD801	93A 39-516-52T	TELEFUNKEN TZX5V1B
ZD810	93A 39-516-52T	TELEFUNKEN TZX5V1B

PARTS LIST OF IC802 ASS'Y

LOCATION	PARTS No.	SPECIFICATION
IC802	90A 315-500	HEAT SINK
	M1A1730- 6-128	SCREW M3x6
	56A 551- 7	LM2468TA BY NS

PARTS LIST OF IC601 ASS'Y

LOCATION	PARTS No.	SPECIFICATION
IC601	5A 42-501	WASHER
	32A3028- 8	MICA
	90A 376-500	HEAT SINK
	M1A1730- 10-128	SCREW M3x10
	56A 574- 1	TDA9302H BY SGS

PARTS LIST OF IC101 CPU ASS'Y

LOCATION	PARTS No.	SPECIFICATION
C108	65A 442-220-13T	22PF +-5% NPO 50V
IC101	56A1125- 82- A	WT CPU
X101	93A 22- 43	RESONATOR 12.0MHZ

PARTS LIST OF Q403/Q406/D408 ASS'Y

LOCATION	PARTS No.	SPECIFICATION
D408	5A 42-501	WASHER
	32A3028- 8	MICA
	90A 374-503	HEAT SINK
	M1A1130- 8-128	SCREW 3.0X8
	M1A1730- 10-128	SCREW M3x10
HV1	93A 220-11G	DMV32 ST
Q403	95A205T- 30-052	M95
Q406	57A 689- 7	TT2076GMH
	57A 415-500	TIP122 S.T

PARTS LIST OF Q911 ASS'Y

LOCATION	PARTS No.	SPECIFICATION
Q911	5A 42-501	WASHER
	12A 372- 1	SILICONE RUBBER
	90A 315- 1	HEAT SINK
	M1A1730- 8-128	SCREW M3x8
	57A 600-512	STP8NS25

PARTS LIST OF Q901 ASS'Y

LOCATION	PARTS No.	SPECIFICATION
Q901	5A 71- 1	TRANSISTOR HOUSING
	32A3028-505	MICA
	90A 339-504- A	HEAT SINK
	M1A1730- 12-128	SCREW
	57A 667-504	POWER MOSFET 2SK2544

PARTS LIST OF AC LINET ASS'Y

LOCATION	PARTS No.	SPECIFICATION
CN901	87A 501- 6	RECEPTACLES
	96A 29- 6-190	H.S. TUBING DIA.4.0MM
	95A205S-354-023	WIRE

PARTS LIST OF CAB'T ASS'Y

LOCATION	PARTS No.	SPECIFICATION
	33A4016- Y- A	POWER BUTTON
	33A4017- 1	POWER LENS
	34A 732- Y- 1A	BACK COVER
	34A 733- Y- L	SWIVEL
	34A 734- Y- L	BASE
	45A 76- 31- RN	BASE PE BAG

PARTS LIST OF CRT ALTERNATION



LOCATION	PARTS No.	SPECIFICATION
	750A5910-7PS	CPT15"AS WITH P-C-COIL D
C418	63A210J -452-8CC	4.5nF/2KV +-5%
C419	63A210J -532-8DC	5300PF 2KV +-5%
C425	63A210J -274-3CM	0.27UF +-5% 400V P=15mm/
C427	63A210J -394-3CM	0.39UF +-5% 400V P=15mm/
L401	73A 147-48D- H	LINEARITY COIL
P405	33A8009- 3	3 PIN PLUG
R414	61A 172-242-52T	CFR 2.4KOHM+-5% 1/4W
R461	61A153M-151- 59	MOFR 150 OHM +-5% 3W
R465	61A 172-822-52T	CFR 8.2KOHM+-5% 1/4W
R490	61A 200-333-52T	MFR 33KOHM+-1% 1/4W
R607	61A 208-828- 64	MOFR 0.82OHM +-5% 1W
R609	61A 172-244-52T	CFR 240KOHM+-5% 1/4W
R611	61A 200-623-52T	MFR 62KOHM+-1% 1/4W
R614	61A 172-134-52T	CFR 130K OHM +-5% 1/4W
R621	61A 172-273-52T	CFR 27KOHM+-5% 1/4W
R835	61A 208-338- 64	MOFR 0.33 OHM +-5% 1W
TP404	95A 900-507	WIRE HARNESS

LOCATION

PARTS No.

SPECIFICATION



	750A5920-2SN- D	ORION 15"AS WITHOUT C-CO
C418	63A210J -512-8CM	5100P 2KV
C419	63A210J -532-8DC	5300PF 2KV +-5%
C425	63A210J -304-3CM	0.3UF/400V
C427	63A210J -474-3DC	.47UF +-5% 400V FOR CAME
C431	63A210J -104-2BM	0.1UF 250V
D418	93A 60-21T-52T	FR155
D419	93A 60-21T-52T	FR155
L401	73A 147-48A- S	LINEARITY COIL
L404	73A 253- 70- H	1.5mH +-10% 0.4A □□
L404	73A 253- 70- S	1.5mH +-10%,0.4A
R414	61A 172-332-52T	CFR 3.3KOHM+-5% 1/4W
R457	61A153M-750- 59	MOFR 75 OHM +-5% 3W
R458	61A153M-750- 59	MOFR 75 OHM +-5% 3W
R461	95A 90- 23	TIN COATED
R465	61A 172-472-52T	CFR 4.7K OHM +-5% 1/4W
R490	61A 200-363-52T	MFR 36KOHM+-1% 1/4W
R607	61A 208-688- 64	MOFR 0.68OHM +-5% 1W
R609	61A 172-244-52T	CFR 240KOHM+-5% 1/4W
R611	61A 200-623-52T	MFR 62KOHM+-1% 1/4W
LOCATION	PARTS No.	SPECIFICATION
R614	61A 172-134-52T	CFR 130K OHM +-5% 1/4W

R621

61A 172-273-52T

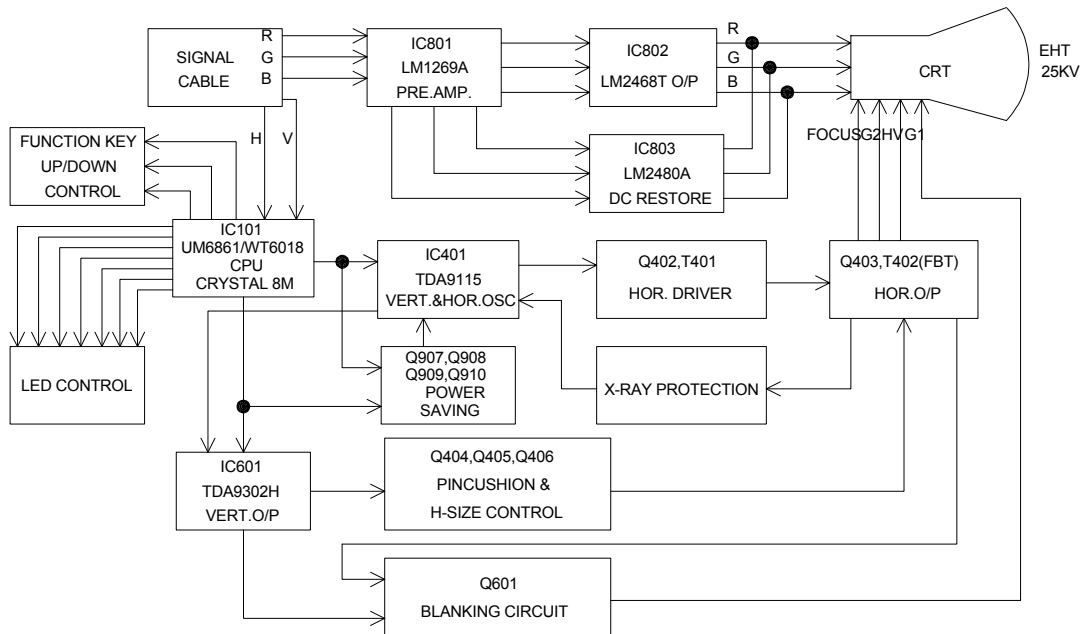
CFR 27KOHM+-5% 1/4W

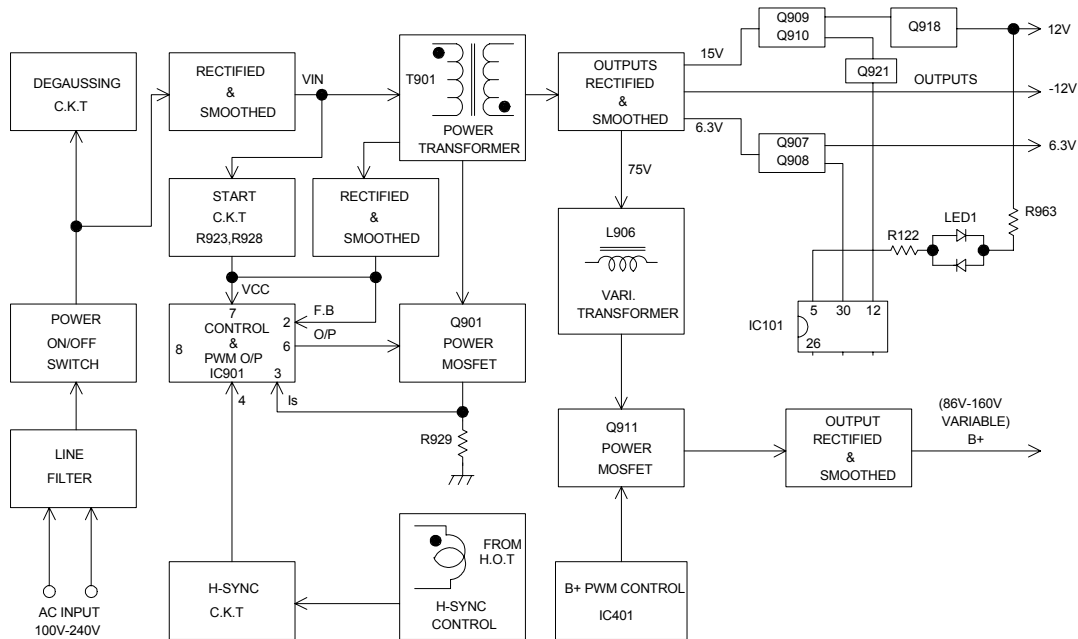
LOCATION**PARTS No.****SPECIFICATION**

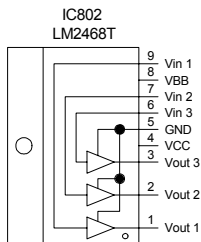
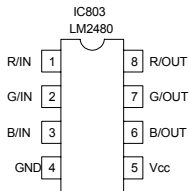
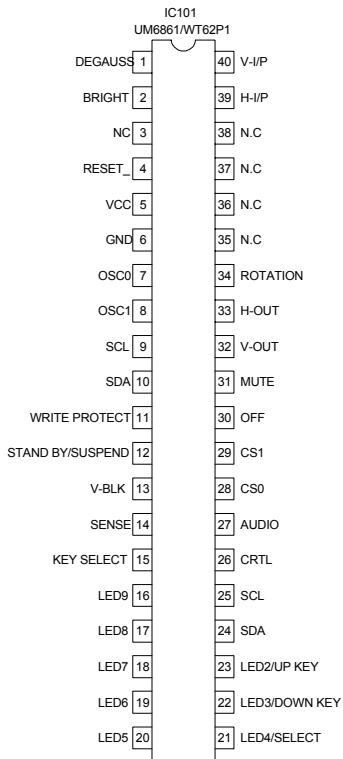
	750A5960-5AG	LG 15"48K AG ZEC DY IMP
C418	63A210J-452-8CC	4.5nF/2KV +-5%
C419	63A210J-532-8DC	5300PF 2KV +-5%
C425	63A210J-274-3CM	0.27UF +-5% 400V P=15mm/
C427	63A210J-394-3CM	0.39UF +-5% 400V P=15mm/
L401	73A 147-48D- H	LINEARITY COIL
R414	61A 172-242-52T	CFR 2.4KOHM+-5% 1/4W
R461	95A 90- 23	TIN COATED
R465	61A 172-822-52T	CFR 8.2KOHM+-5% 1/4W
R490	61A 200-333-52T	MFR 33KOHM+-1% 1/4W
R607	61A 208-758- 64	MOFR 0.75 OHM +-5% 1W
R609	61A 172-114-52T	CFR 110K OHM +-5% 1/4W
R611	61A 200-623-52T	MFR 62KOHM+-1% 1/4W
R614	61A 172-134-52T	CFR 130K OHM +-5% 1/4W
R621	61A 172-153-52T	CFR 15K OHM +-5% 1/4W
R835	61A 208-338- 64	MOFR 0.33 OHM +-5% 1W

LOCATION**PARTS No.****SPECIFICATION**

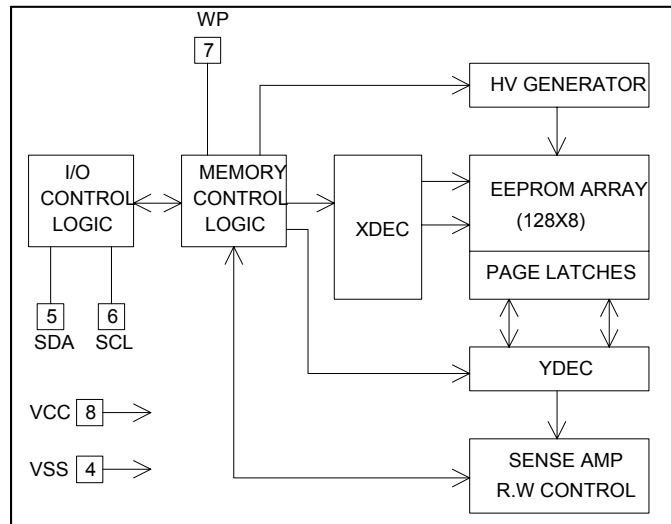
	750A5960-5PS	LG 15"AS+P-C-COIL DY IMP
C418	63A210J-452-8CC	4.5nF/2KV +-5%
C419	63A210J-532-8DC	5300PF 2KV +-5%
C425	63A210J-274-3CM	0.27UF +-5% 400V P=15mm/
C427	63A210J-394-3CM	0.39UF +-5% 400V P=15mm/
L401	73A 147-48D- H	LINEARITY COIL
P405	33A8009- 3	3 PIN PLUG
R414	61A 172-242-52T	CFR 2.4KOHM+-5% 1/4W
R461	61A153M-151- 59	MOFR 150 OHM +-5% 3W
R465	61A 172-822-52T	CFR 8.2KOHM+-5% 1/4W
R490	61A 200-333-52T	MFR 33KOHM+-1% 1/4W
R607	61A 208-758- 64	MOFR 0.75 OHM +-5% 1W
R609	61A 172-114-52T	CFR 110K OHM +-5% 1/4W
R611	61A 200-623-52T	MFR 62KOHM+-1% 1/4W
R614	61A 172-134-52T	CFR 130K OHM +-5% 1/4W
R621	61A 172-153-52T	CFR 15K OHM +-5% 1/4W
R835	61A 208-338- 64	MOFR 0.33 OHM +-5% 1W
TP404	95A201F- 50-162	16" PULSE



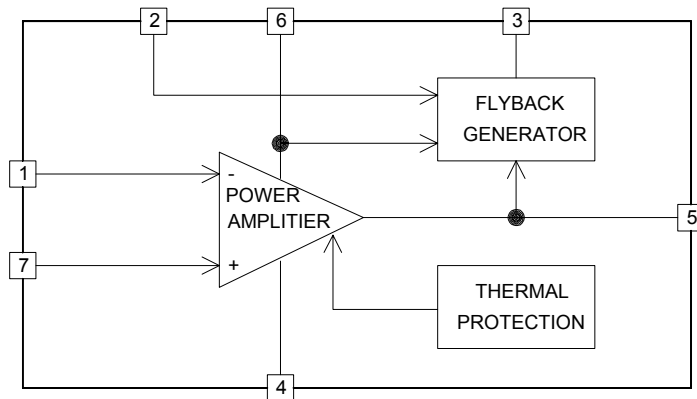




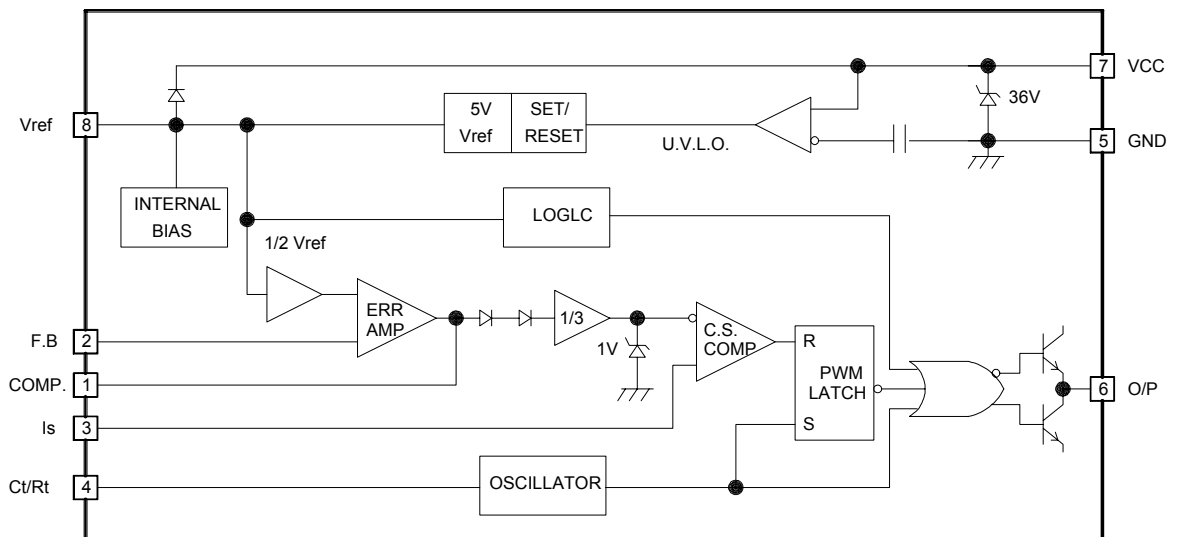
IC102 24C04



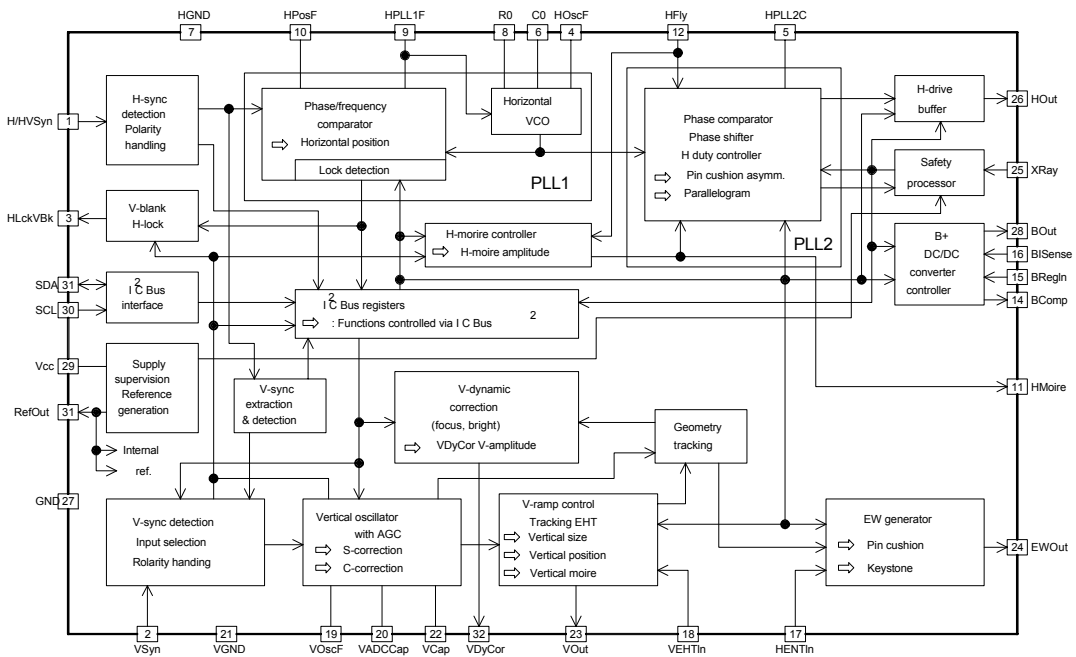
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